

Chapter 3.2

Dangerous Goods List

3.2.1 Structure of the Dangerous Goods List

The Dangerous Goods List is divided into 18 columns as follows:

Column 1	UN No. – this column contains the United Nations number assigned to a dangerous good by the United Nations Sub-Committee of Experts on the Transport of Dangerous Goods (UN List).
Column 2	Proper shipping name (PSN) – this column contains the proper shipping names in upper-case characters, which may have to be followed by additional descriptive text in lower-case characters (see 3.1.2). Proper shipping names may be shown in plural where isomers of similar classification exist. Hydrates may be included under the proper shipping name for the anhydrous substances. Unless otherwise indicated for an entry in the Dangerous Goods List, the word “SOLUTION” in a proper shipping name means one or more named dangerous goods dissolved in a liquid that is not otherwise subject to this Code. When a flashpoint is mentioned in this column, the data is based on closed-cup (c.c.) methods.
Column 3	Class or division – this column contains the class and, in the case of class 1, the division and the compatibility group assigned to the substance or article according to the classification system described in part 2, chapter 2.1.
Column 4	Subsidiary hazard(s) – this column contains the class number(s) of any subsidiary hazard(s) which have been identified by applying the classification system described in part 2. This column also identifies a dangerous good as a marine pollutant as follows: P – Marine pollutant: a non-exhaustive list of known marine pollutants, based on previous criteria and assignment. The absence of the symbol P or the presence of a “–” in that column does not preclude the application of 2.10.3.
Column 5	Packing group – this column contains the packing group number (i.e. I, II or III) where assigned to the substance or article. If more than one packing group is indicated for the entry, the packing group of the substance or formulation to be transported shall be determined, based on its properties, through application of the hazard grouping criteria as provided in part 2.
Column 6	Special provisions – this column contains a number referring to any special provision(s) indicated in chapter 3.3 that is relevant to the substance or article. Special provisions apply to all packing groups permitted for a particular substance or article unless the wording makes it otherwise apparent. The special provision numbers specific to the sea mode start from 900. Note: When a special provision is no longer needed, this special provision is deleted but the special provision number is not allocated again, in order not to confuse the users of this Code. For this reason, some of the numbers are missing.
Column 7a	Limited quantities – this column provides the maximum quantity per inner packaging or article for transporting dangerous goods as limited quantities in accordance with chapter 3.4.
Column 7b	Excepted quantities – this column provides an alpha-numeric code described in subsection 3.5.1.2 which indicates the maximum quantity per inner and outer packaging for transporting dangerous goods as excepted quantities in accordance with chapter 3.5.
Column 8	Packing instructions – this column contains alpha-numeric codes which refer to the relevant packing instruction(s) in 4.1.4. The packing instructions indicate the packagings (including large packagings) which may be used for the transport of substances and articles.

A code including the letter “P” refers to packing instructions for the use of packagings described in chapter 6.1, 6.2 or 6.3.

A code including the letters “LP” refers to packing instructions for the use of large packagings described in chapter 6.6.

When a code including the letter(s) “P” or “LP” is not provided, it means that the substance is not allowed in that type of packaging.

Column 9 **Special packing provisions** – this column contains alpha-numeric codes which refer to the relevant special packing provisions specified in 4.1.4. The special packing provisions indicate the packagings (including large packagings).

A special packing provision including the letters “PP” refers to a special packing provision applicable to the use of a packing instruction bearing the Code “P” in 4.1.4.1.

A special packing provision including the letter “L” refers to a special packing provision applicable to a packing instruction bearing the code “LP” in 4.1.4.3.

Column 10 **IBC packing instructions** – this column contains alpha-numeric codes that refer to the relevant IBC instruction, which indicates the type of IBC that shall be used for the transport of the substance under reference. A code including the letters “IBC” refers to packing instructions for the use of IBCs described in chapter 6.5. When a code is not provided, it means the substance is not authorized in IBC.

Column 11 **IBC special provisions** – this column contains an alpha-numeric code, including the letter “B”, which refers to special packing provisions applicable to the use of packing instructions bearing the code “IBC” in 4.1.4.2.

Column 12 [Reserved]

Column 13 **Tank and bulk container instructions** – this column contains T codes (see 4.2.5.2.6) applicable to the transport of dangerous goods in portable tanks and road tank vehicles.

When a T code is not provided in this column, it means that the dangerous goods are not authorized for transport in tanks unless specifically approved by the competent authority.

A code including the letters “BK” refers to the type of bulk containers used for the transport of bulk goods described in chapters 4.3 and 6.9.

The gases authorized for transport in MEGCs are indicated in the column “MEGC” in tables 1 and 2 of packing instruction P200 in 4.1.4.1.

Column 14 **Tank special provisions** – this column contains TP notes (see 4.2.5.3) applicable to the transport of dangerous goods in portable tanks and road tank vehicles. The TP notes specified in this column apply to the portable tanks specified in column 13.

Column 15 **EmS** – this column refers to the relevant emergency schedules for FIRE and SPILLAGE in “The EmS Guide – Revised Emergency Response Procedures for Ships Carrying Dangerous Goods”.

The first EmS code refers to the relevant Fire Schedule (e.g. Fire Schedule Alfa “F-A” General Fire Schedule).

The second EmS code refers to the relevant Spillage Schedule (e.g. Spillage Schedule Alfa “S-A” Toxic Substances).

Underlined EmS codes (special cases) indicate a substance, material or article for which additional advice is given in the emergency response procedures.

For dangerous goods offered for transport under N.O.S. entries or other generic entries, the most relevant emergency response procedures may vary with the properties of the hazardous constituents. As a consequence, shippers may have to declare different EmS codes from those indicated, if, to their knowledge, such codes are more appropriate.

The provisions in this column are not mandatory.

Column 16a **Stowage and handling** – this column contains the stowage and handling codes as specified in 7.1.5 and 7.1.6.

Column 16b **Segregation** – this column contains the segregation group codes as specified in 7.2.5.2 and the segregation codes as specified in 7.2.8.

Column 17 **Properties and observations** – this column contains properties of and observations on the dangerous goods listed. The provisions in this column are not mandatory.

Properties of most gases include an indication of its density in relation to air. The figures in brackets give the density relative to air.

.1 “lighter than air” when the vapour density is down to half that of air;

- .2 “much lighter than air” when the vapour density is less than half that of air;
- .3 “heavier than air” when the vapour density is up to twice that of air; and
- .4 “much heavier than air” when the vapour density is more than twice that of air.

When explosive limits are given, these refer to the volume percentage of the vapour of the substance when mixed with air.

The ease and extent to which different liquids mix with water varies greatly and most entries have included an indication of miscibility. In these cases “miscible with water” normally means capable of being mixed with water in all proportions to form a completely homogeneous liquid.

Column 18 UN No. – see column 1.

3.2.2 Abbreviations and symbols

The following abbreviations and symbols are used in the Dangerous Goods List and have the meanings shown:

Abbreviation/symbol	Column	Meaning
N.O.S.	2	Not otherwise specified
P	4	Marine pollutant



Dangerous Goods List



UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
0004	AMMONIUM PICRATE dry or wetted with less than 10% water, by mass	1.1D	–	–	–	0	E0	P112 (a), (b) or (c)	PP26	–	–
△ 0005	CARTRIDGES FOR WEAPONS with bursting charge	1.1F	–	–	–	0	E0	P130 LP101	–	–	–
0006	CARTRIDGES FOR WEAPONS with bursting charge	1.1E	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
△ 0007	CARTRIDGES FOR WEAPONS with bursting charge	1.2F	–	–	–	0	E0	P130 LP101	–	–	–
0009	AMMUNITION, INCENDIARY with or without burster, expelling charge or propelling charge	1.2G	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0010	AMMUNITION, INCENDIARY with or without burster, expelling charge or propelling charge	1.3G	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
△ 0012	CARTRIDGES FOR WEAPONS, INERT PROJECTILE or CARTRIDGES, SMALL ARMS	1.4S	–	–	364	5 kg	E0	P130 LP101	–	–	–
△ 0014	CARTRIDGES FOR WEAPONS, BLANK or CARTRIDGES, SMALL ARMS, BLANK or CARTRIDGES FOR TOOLS, BLANK	1.4S	–	–	364	5 kg	E0	P130 LP101	–	–	–
0015	AMMUNITION, SMOKE with or without burster, expelling charge or propelling charge	1.2G	See SP204	–	204	0	E0	P130 LP101	PP67 L1	–	–
0016	AMMUNITION, SMOKE with or without burster, expelling charge or propelling charge	1.3G	See SP204	–	204	0	E0	P130 LP101	PP67 L1	–	–
0018	AMMUNITION, TEAR-PRODUCING with burster, expelling charge or propelling charge	1.2G	6.1/8	–	–	0	E0	P130 LP101	PP67 L1	–	–
0019	AMMUNITION, TEAR-PRODUCING with burster, expelling charge or propelling charge	1.3G	6.1/8	–	–	0	E0	P130 LP101	PP67 L1	–	–
0020	AMMUNITION, TOXIC with burster, expelling charge or propelling charge	1.2K	6.1	–	274	0	E0	P101	–	–	–
0021	AMMUNITION, TOXIC with burster, expelling charge or propelling charge	1.3K	6.1	–	274	0	E0	P101	–	–	–
0027	BLACK POWDER (GUNPOWDER) granular, or as a meal	1.1D	–	–	–	0	E0	P113	PP50	–	–
0028	BLACK POWDER (GUNPOWDER), COMPRESSED or BLACK POWDER (GUNPOWDER), IN PELLETS	1.1D	–	–	–	0	E0	P113	PP51	–	–
0029	DETONATORS, NON-ELECTRIC for blasting	1.1B	–	–	–	0	E0	P131	PP68	–	–
0030	DETONATORS, ELECTRIC for blasting	1.1B	–	–	399	0	E0	P131	–	–	–
△ 0033	BOMBS with bursting charge	1.1F	–	–	–	0	E0	P130 LP101	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
	Tank instructions	Provisions					
(12)	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-B, S-Y	Category 04 SW1	SGG2 SG27 SG31	Substance.	0004
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0005
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0006
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0007
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0009
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0010
–	–	–	F-B, S-X	Category 01 SW1	–	See glossary of terms in appendix B.	0012
–	–	–	F-B, S-X	Category 01 SW1	–	See glossary of terms in appendix B.	0014
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0015
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0016
–	–	–	F-B, S-Z	Category 03 SW1	SG2	See glossary of terms in appendix B.	0018
–	–	–	F-B, S-Z	Category 03 SW1	SG3	See glossary of terms in appendix B.	0019
–	–	–	F-B, S-Z	Category 05 SW1	–	See glossary of terms in appendix B.	0020
–	–	–	F-B, S-Z	Category 05 SW1	–	See glossary of terms in appendix B.	0021
–	–	–	F-B, S-Y	Category 04 SW1	–	See glossary of terms in appendix B.	0027
–	–	–	F-B, S-Y	Category 04 SW1	–	See glossary of terms in appendix B.	0028
–	–	–	F-B, S-X	Category 05 SW1	–	See glossary of terms in appendix B.	0029
–	–	–	F-B, S-X	Category 05 SW1	–	See glossary of terms in appendix B.	0030
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0033

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
0034	BOMBS with bursting charge	1.1D	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0035	BOMBS with bursting charge	1.2D	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
△ 0037	BOMBS, PHOTO-FLASH	1.1F	–	–	–	0	E0	P130 LP101	–	–	–
0038	BOMBS, PHOTO-FLASH	1.1D	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0039	BOMBS, PHOTO-FLASH	1.2G	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0042	BOOSTERS without detonator	1.1D	–	–	–	0	E0	P132 (a) or (b)	–	–	–
0043	BURSTERS explosive	1.1D	–	–	–	0	E0	P133	PP69	–	–
0044	PRIMERS, CAP TYPE	1.4S	–	–	–	0	E0	P133	–	–	–
0048	CHARGES, DEMOLITION	1.1D	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0049	CARTRIDGES, FLASH	1.1G	–	–	–	0	E0	P135	–	–	–
0050	CARTRIDGES, FLASH	1.3G	–	–	–	0	E0	P135	–	–	–
0054	CARTRIDGES, SIGNAL	1.3G	–	–	–	0	E0	P135	–	–	–
0055	CASES, CARTRIDGE, EMPTY, WITH PRIMER	1.4S	–	–	364	5 kg	E0	P136	–	–	–
0056	CHARGES, DEPTH	1.1D	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0059	CHARGES, SHAPED, without detonator	1.1D	–	–	–	0	E0	P137	PP70	–	–
0060	CHARGES, SUPPLEMENTARY, EXPLOSIVE	1.1D	–	–	–	0	E0	P132 (a) or (b)	–	–	–
0065	CORD, DETONATING, flexible	1.1D	–	–	–	0	E0	P139	PP71 PP72	–	–
0066	CORD, IGNITER	1.4G	–	–	–	0	E0	P140	–	–	–
0070	CUTTERS, CABLE, EXPLOSIVE	1.4S	–	–	–	0	E0	P134 LP102	–	–	–
0072	CYCLOTRIMETHYLENE-TRINITRAMINE (CYCLONITE; HEXOGEN; RDX), WETTED with not less than 15% water, by mass	1.1D	–	–	266	0	E0	P112 (a)	PP45	–	–
0073	DETONATORS FOR AMMUNITION	1.1B	–	–	–	0	E0	P133	–	–	–
0074	DIAZODINITROPHENOL, WETTED with not less than 40% water, or mixture of alcohol and water, by mass	1.1A	–	–	266	0	E0	P110 (a) or (b)	PP42	–	–
0075	DIETHYLENEGLYCOL DINITRATE, DESENSITIZED with not less than 25% non-volatile, water-insoluble phlegmatizer, by mass	1.1D	–	–	266	0	E0	P115	PP53 PP54 PP57 PP58	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0034
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0035
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0037
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0038
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0039
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0042
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0043
–	–	–	F-B, S-X	Category 01 SW1	–	See glossary of terms in appendix B.	0044
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0048
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0049
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0050
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0054
–	–	–	F-B, S-X	Category 01 SW1	–	See glossary of terms in appendix B.	0055
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0056
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0059
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0060
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0065
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0066
–	–	–	F-B, S-X	Category 01 SW1	–	See glossary of terms in appendix B.	0070
–	–	–	F-B, S-Y	Category 04 SW1	–	Mass detonating explosive which becomes more sensitive if the wetting agent is lost. This substance, when containing less alcohol, water or phlegmatizer than specified, shall not be transported, unless specifically authorized by the competent authority.	0072
–	–	–	F-B, S-X	Category 05 SW1	–	See glossary of terms in appendix B.	0073
–	–	–	F-B, S-Y	Category 05 SW1	–	Sensitive substance used in detonators, which becomes extremely sensitive if the wetting agents are lost. This substance, when containing less alcohol, water or phlegmatizer than specified, shall not be transported, unless specifically authorized by the competent authority.	0074
–	–	–	F-B, S-Y	Category 04 SW1	–	This substance, when containing less alcohol, water or phlegmatizer than specified, shall not be transported, unless specifically authorized by the competent authority.	0075

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
0076	DINITROPHENOL, dry or wetted with less than 15% water, by mass	1.1D	6.1 P	–	–	0	E0	P112 (a), (b) or (c)	PP26	–	–
0077	DINITROPHENOLATES, alkali metals, dry or wetted with less than 15% water, by mass	1.3C	6.1 P	–	–	0	E0	P114 (a) or (b)	PP26	–	–
0078	DINITRORESORCINOL, dry or wetted with less than 15% water, by mass	1.1D	–	–	–	0	E0	P112 (a), (b) or (c)	PP26	–	–
0079	HEXANITRODIPHENYLAMINE (DIPICRYLAMINE; HEXYL)	1.1D	–	–	–	0	E0	P112 (b) or (c)	–	–	–
0081	EXPLOSIVE, BLASTING, TYPE A	1.1D	–	–	–	0	E0	P116	PP63 PP66	–	–
0082	EXPLOSIVE, BLASTING, TYPE B	1.1D	–	–	–	0	E0	P116	PP61 PP62	IBC100	B9
0083	EXPLOSIVE, BLASTING, TYPE C	1.1D	–	–	267	0	E0	P116	–	–	–
0084	EXPLOSIVE, BLASTING, TYPE D	1.1D	–	–	–	0	E0	P116	–	–	–
0092	FLARES, SURFACE	1.3G	–	–	–	0	E0	P135	–	–	–
0093	FLARES, AERIAL	1.3G	–	–	–	0	E0	P135	–	–	–
0094	FLASH POWDER	1.1G	–	–	–	0	E0	P113	PP49	–	–
0099	FRACTURING DEVICES, EXPLOSIVE without detonator, for oil wells	1.1D	–	–	–	0	E0	P134 LP102	–	–	–
0101	FUSE, NON-DETONATING	1.3G	–	–	–	0	E0	P140	PP74 PP75	–	–
0102	CORD (FUSE), DETONATING, metal-clad	1.2D	–	–	–	0	E0	P139	PP71	–	–
0103	FUSE, IGNITER tubular, metal-clad	1.4G	–	–	–	0	E0	P140	–	–	–
0104	CORD (FUSE), DETONATING, MILD EFFECT, metal-clad	1.4D	–	–	–	0	E0	P139	PP71	–	–
0105	FUSE, SAFETY	1.4S	–	–	–	0	E0	P140	PP73	–	–
0106	FUZES, DETONATING	1.1B	–	–	–	0	E0	P141	–	–	–
0107	FUZES, DETONATING	1.2B	–	–	–	0	E0	P141	–	–	–
0110	GRENADES, PRACTICE, hand or rifle	1.4S	–	–	–	0	E0	P141	–	–	–
0113	GUANYL NITROSAMINO-GUANYLIDENE HYDRAZINE, WETTED with not less than 30% water, by mass	1.1A	–	–	266	0	E0	P110 (a) or (b)	PP42	–	–
0114	GUANYL NITROSAMINO-GUANYLTETRAZENE (TETRAZENE), WETTED with not less than 30% water, or mixture of alcohol and water, by mass	1.1A	–	–	266	0	E0	P110 (a) or (b)	PP42	–	–

Portable tanks and bulk containers			EmS (15) 5.4.3.4 7.8	Stowage and handling (16a) 7.1 7.3–7.7	Segregation (16b) 7.2–7.7	Properties and observations (17)	UN No. (18)
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
–	–	–	F-B, S-Z	Category 04 SW1	SG31	Substance.	0076
–	–	–	F-B, S-Z	Category 04 SW1	SG31	Substance.	0077
–	–	–	F-B, S-Y	Category 04 SW1	SG31	Substance.	0078
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance.	0079
–	–	–	F-B, S-Y	Category 04 SW1	SG34	Substance. See glossary of terms in appendix B.	0081
–	–	–	F-B, S-Y	Category 04 SW1	SG34	Substance. See glossary of terms in appendix B.	0082
–	–	–	F-B, S-Y	Category 04 SW1	SG28	Substance. See glossary of terms in appendix B.	0083
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance. See glossary of terms in appendix B.	0084
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0092
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0093
–	–	–	F-B, S-Y	Category 03 SW1	–	See glossary of terms in appendix B.	0094
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0099
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0101
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0102
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0103
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0104
–	–	–	F-B, S-X	Category 01 SW1	–	See glossary of terms in appendix B.	0105
–	–	–	F-B, S-X	Category 05 SW1	–	See glossary of terms in appendix B.	0106
–	–	–	F-B, S-X	Category 05 SW1	–	See glossary of terms in appendix B.	0107
–	–	–	F-B, S-X	Category 01 SW1	–	See glossary of terms in appendix B.	0110
–	–	–	F-B, S-Y	Category 05 SW1	–	Sensitive substance used in detonators, which becomes extremely sensitive if the wetting agents are lost. This substance, when containing less alcohol, water or phlegmatizer than specified, shall not be transported, unless specifically authorized by the competent authority.	0113
–	–	–	F-B, S-Y	Category 05 SW1	–	Sensitive substance used in detonators, which becomes extremely sensitive if the wetting agents are lost. This substance, when containing less alcohol, water or phlegmatizer than specified, shall not be transported, unless specifically authorized by the competent authority.	0114

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
0118	HEXOLITE (HEXOTOL), dry or wetted with less than 15% water, by mass	1.1D	–	–	–	0	E0	P112 (a), (b) or (c)	–	–	–
0121	IGNITERS	1.1G	–	–	–	0	E0	P142	–	–	–
0124	JET PERFORATING GUNS, CHARGED, oil well, without detonator	1.1D	–	–	–	0	E0	P101	–	–	–
0129	LEAD AZIDE, WETTED with not less than 20% water, or mixture of alcohol and water, by mass	1.1A	–	–	266	0	E0	P110 (a) or (b)	PP42	–	–
0130	LEAD STYPHNATE (LEAD TRINITRORESORCINATE), WETTED with not less than 20% water, or mixture of alcohol and water, by mass	1.1A	–	–	266	0	E0	P110 (a) or (b)	PP42	–	–
0131	LIGHTERS, FUSE	1.4S	–	–	–	0	E0	P142	–	–	–
0132	DEFLAGRATING METAL SALTS OF AROMATIC NITRO-DERIVATIVES, N.O.S.	1.3C	–	–	–	0	E0	P114 (b)	PP26	–	–
0133	MANNITOL HEXANITRATE (NITROMANNITE), WETTED with not less than 40% water, or mixture of alcohol and water, by mass	1.1D	–	–	266	0	E0	P112 (a)	–	–	–
0135	MERCURY FULMINATE, WETTED with not less than 20% water, or mixture of alcohol and water, by mass	1.1A	–	–	266	0	E0	P110 (a) or (b)	PP42	–	–
△ 0136	MINES with bursting charge	1.1F	–	–	–	0	E0	P130 LP101	–	–	–
0137	MINES with bursting charge	1.1D	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0138	MINES with bursting charge	1.2D	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0143	NITROGLYCERIN, DESENSITIZED with not less than 40% non-volatile water-insoluble phlegmatizer, by mass	1.1D	See SP271	–	266 271 272	0	E0	P115	PP53 PP54 PP57 PP58	–	–
0144	NITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% but not more than 10% nitroglycerin	1.1D	–	–	358	0	E0	P115	PP45 PP55 PP56 PP59 PP60	–	–
0146	NITROSTARCH, dry or wetted, with less than 20% water, by mass	1.1D	–	–	–	0	E0	P112 (a), (b) or (c)	–	–	–
0147	NITRO UREA	1.1D	–	–	–	0	E0	P112 (b)	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance. Mixtures of mass detonating explosives.	0118
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0121
–	–	–	F-B, S-X	Category 03 SW1 SW30	–	See glossary of terms in appendix B.	0124
–	–	–	F-B, S-Y	Category 05 SW1	SGG7 SGG9 SGG17	Sensitive substance used in detonators, which becomes extremely sensitive if the wetting agents are lost. This substance, when containing less alcohol, water or phlegmatizer than specified, shall not be transported, unless specifically authorized by the competent authority.	0129
–	–	–	F-B, S-Y	Category 05 SW1	SGG7 SGG9	Sensitive substance used in detonators, which becomes extremely sensitive if the wetting agents are lost. This substance, when containing less alcohol, water or phlegmatizer than specified, shall not be transported, unless specifically authorized by the competent authority.	0130
–	–	–	F-B, S-X	Category 01 SW1	–	See glossary of terms in appendix B.	0131
–	–	–	F-B, S-Y	Category 04 SW1	SG31	Substance.	0132
–	–	–	F-B, S-Y	Category 04 SW1	–	This substance, when containing less alcohol, water or phlegmatizer than specified, shall not be transported, unless specifically authorized by the competent authority.	0133
–	–	–	F-B, S-Y	Category 05 SW1	SGG7 SGG11	Sensitive substance used in detonators which will become extremely sensitive if it loses its wetting or desensitizing agent. This substance, when containing less alcohol, water or phlegmatizer than specified, shall not be transported, unless specifically authorized by the competent authority.	0135
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0136
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0137
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0138
–	–	–	F-B, S-Z	Category 04 SW1	–	Substance. This substance, when containing less alcohol, water or phlegmatizer than specified, shall not be transported, unless specifically authorized by the competent authority.	0143
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance.	0144
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance.	0146
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance.	0147

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
0150	PENTAERYTHRITE TETRANITRATE (PENTAERYTHRITOL TETRANITRATE; PETN), WETTED with not less than 25% water, by mass or PENTAERYTHRITE TETRANITRATE (PENTAERYTHRITOL TETRANITRATE; PETN), DESENSITIZED with not less than 15% phlegmatizer, by mass	1.1D	–	–	266	0	E0	P112 (a) or (b)	–	–	–
0151	PENTOLITE, dry or wetted with less than 15% water, by mass	1.1D	–	–	–	0	E0	P112 (a), (b) or (c)	–	–	–
0153	TRINITROANILINE (PICRAMIDE)	1.1D	–	–	–	0	E0	P112 (b) or (c)	–	–	–
0154	TRINITROPHENOL (PICRIC ACID), dry or wetted with less than 30% water, by mass	1.1D	–	–	–	0	E0	P112 (a), (b) or (c)	PP26	–	–
0155	TRINITROCHLOROBENZENE (PICRYL CHLORIDE)	1.1D	–	–	–	0	E0	P112 (b) or (c)	–	–	–
0159	POWDER CAKE (POWDER PASTE), WETTED with not less than 25% water, by mass	1.3C	–	–	266	0	E0	P111	PP43	–	–
0160	POWDER, SMOKELESS	1.1C	–	–	–	0	E0	P114 (b)	PP50 PP52	–	–
0161	POWDER, SMOKELESS	1.3C	–	–	–	0	E0	P114 (b)	PP50 PP52	–	–
△ 0167	PROJECTILES with bursting charge	1.1F	–	–	–	0	E0	P130 LP101	–	–	–
0168	PROJECTILES with bursting charge	1.1D	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0169	PROJECTILES with bursting charge	1.2D	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0171	AMMUNITION, ILLUMINATING with or without burster, expelling charge or propelling charge	1.2G	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0173	RELEASE DEVICES, EXPLOSIVE	1.4S	–	–	–	0	E0	P134 LP102	–	–	–
0174	RIVETS, EXPLOSIVE	1.4S	–	–	–	0	E0	P134 LP102	–	–	–
△ 0180	ROCKETS with bursting charge	1.1F	–	–	–	0	E0	P130 LP101	–	–	–
0181	ROCKETS with bursting charge	1.1E	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0182	ROCKETS with bursting charge	1.2E	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0183	ROCKETS with inert head	1.3C	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0186	ROCKET MOTORS	1.3C	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0190	SAMPLES, EXPLOSIVE, other than initiating explosive	1	–	–	16 274	0	E0	P101	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
(12)	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance. Mass detonating explosive which will become more sensitive if it loses its wetting or desensitizing agent. This substance, when containing less alcohol, water or phlegmatizer than specified, shall not be transported, unless specifically authorized by the competent authority.	0150
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance. Mixtures of mass detonating explosive substances.	0151
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance.	0153
–	–	–	F-B, S-Y	Category 04 SW1	SG31	Substance.	0154
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance.	0155
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance consisting of nitrocellulose impregnated with not more than 60% of nitroglycerin or other liquid organic nitrates or a mixture of these. This substance, when containing less alcohol, water or phlegmatizer than specified, shall not be transported, unless specifically authorized by the competent authority.	0159
–	–	–	F-B, S-Y	Category 04 SW1	–	Substances based on nitrocellulose used as propellant. Sensitive to sparks, friction, pressure and electrostatic discharge.	0160
–	–	–	F-B, S-Y	Category 04 SW1	–	Substances based on nitrocellulose used as propellant. Sensitive to sparks, friction, pressure and electrostatic discharge.	0161
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0167
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0168
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0169
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0171
–	–	–	F-B, S-X	Category 01 SW1	–	See glossary of terms in appendix B.	0173
–	–	–	F-B, S-X	Category 01 SW1	–	See glossary of terms in appendix B.	0174
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0180
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0181
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0182
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0183
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0186
–	–	–	F-B, S-X	Category 05 SW1	–	Substance or article. Division and compatibility group as classified by the competent authority.	0190

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
0191	SIGNAL DEVICES, HAND	1.4G	–	–	–	0	E0	P135	–	–	–
0192	SIGNALS, RAILWAY TRACK, EXPLOSIVE	1.1G	–	–	–	0	E0	P135	–	–	–
0193	SIGNALS, RAILWAY TRACK, EXPLOSIVE	1.4S	–	–	–	0	E0	P135	–	–	–
0194	SIGNALS, DISTRESS, ship	1.1G	–	–	–	0	E0	P135	–	–	–
0195	SIGNALS, DISTRESS, ship	1.3G	–	–	–	0	E0	P135	–	–	–
0196	SIGNALS, SMOKE	1.1G	–	–	–	0	E0	P135	–	–	–
0197	SIGNALS, SMOKE	1.4G	–	–	–	0	E0	P135	–	–	–
0204	SOUNDING DEVICES, EXPLOSIVE	1.2F	–	–	–	0	E0	P134 LP102	–	–	–
0207	TETRANITROANILINE	1.1D	–	–	–	0	E0	P112 (b) or (c)	–	–	–
0208	TRINITROPHENYLMETHYL-NITRAMINE (TETRYL)	1.1D	–	–	–	0	E0	P112 (b) or (c)	–	–	–
0209	TRINITROTOLUENE (TNT), dry or wetted with less than 30% water, by mass	1.1D	–	–	–	0	E0	P112 (a), (b) or (c)	PP46	–	–
0212	TRACERS FOR AMMUNITION	1.3G	–	–	–	0	E0	P133	PP69	–	–
0213	TRINITROANISOLE	1.1D	–	–	–	0	E0	P112 (b) or (c)	–	–	–
0214	TRINITROBENZENE, dry or wetted with less than 30% water, by mass	1.1D	–	–	–	0	E0	P112 (a), (b) or (c)	–	–	–
0215	TRINITROBENZOIC ACID, dry or wetted with less than 30% water, by mass	1.1D	–	–	–	0	E0	P112 (a), (b) or (c)	–	–	–
0216	TRINITRO- <i>m</i> -CRESOL	1.1D	–	–	–	0	E0	P112 (b) or (c)	PP26	–	–
0217	TRINITRONAPHTHALENE	1.1D	–	–	–	0	E0	P112 (b) or (c)	–	–	–
0218	TRINITROPHENETOLE	1.1D	–	–	–	0	E0	P112 (b) or (c)	–	–	–
0219	TRINITRORESORCINOL (STYPHNIC ACID), dry or wetted with less than 20% water, or mixture of alcohol and water, by mass	1.1D	–	–	–	0	E0	P112 (a), (b) or (c)	PP26	–	–
0220	UREA NITRATE, dry or wetted with less than 20% water, by mass	1.1D	–	–	–	0	E0	P112 (a), (b) or (c)	–	–	–
0221	WARHEADS, TORPEDO with bursting charge	1.1D	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0222	AMMONIUM NITRATE	1.1D	–	–	370	0	E0	P112 (b) or (c)	PP47	IBC100	B2 B3 B17

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0191
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0192
–	–	–	F-B, S-X	Category 01 SW1	–	See glossary of terms in appendix B.	0193
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0194
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0195
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0196
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0197
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0204
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance.	0207
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance. Mass detonating explosive.	0208
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance. Tritonal is a substance consisting of trinitrotoluene (TNT) mixed with aluminium.	0209
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0212
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance.	0213
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance.	0214
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance.	0215
–	–	–	F-B, S-Y	Category 04 SW1	SG31	Substance.	0216
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance.	0217
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance.	0218
–	–	–	F-B, S-Y	Category 04 SW1	SG31	Substance.	0219
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance.	0220
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0221
–	–	–	F-B, S-Y	Category 04 SW1	SGG2 SG27	Substance.	0222

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
0224	BARIUM AZIDE, dry or wetted with less than 50% water, by mass	1.1A	6.1	–	–	0	E0	P110 (a) or (b)	PP42	–	–
0225	BOOSTERS WITH DETONATOR	1.1B	–	–	–	0	E0	P133	PP69	–	–
0226	CYCLOTETRAMETHYLENE-TETRANITRAMINE (HMX; OCTOGEN), WETTED with not less than 15% water, by mass	1.1D	–	–	266	0	E0	P112 (a)	PP45	–	–
0234	SODIUM DINITRO- <i>o</i> -CRESOLATE, dry or wetted with less than 15% water, by mass	1.3C	6.1 P	–	–	0	E0	P114 (a) or (b)	PP26	–	–
0235	SODIUM PICRAMATE, dry or wetted with less than 20% water, by mass	1.3C	–	–	–	0	E0	P114 (a) or (b)	PP26	–	–
0236	ZIRCONIUM PICRAMATE, dry or wetted with less than 20% water, by mass	1.3C	–	–	–	0	E0	P114 (a) or (b)	PP26	–	–
0237	CHARGES, SHAPED, FLEXIBLE, LINEAR	1.4D	–	–	–	0	E0	P138	–	–	–
△ 0238	ROCKETS, LINE-THROWING	1.2G	–	–	–	0	E0	P130 LP101	–	–	–
△ 0240	ROCKETS, LINE-THROWING	1.3G	–	–	–	0	E0	P130 LP101	–	–	–
0241	EXPLOSIVE, BLASTING, TYPE E	1.1D	–	–	–	0	E0	P116	PP61 PP62	IBC100	B10
△ 0242	CHARGES, PROPELLING, FOR CANNON	1.3C	–	–	–	0	E0	P130 LP101	–	–	–
0243	AMMUNITION, INCENDIARY, WHITE PHOSPHORUS with burster, expelling charge or propelling charge	1.2H	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0244	AMMUNITION, INCENDIARY, WHITE PHOSPHORUS with burster, expelling charge or propelling charge	1.3H	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0245	AMMUNITION, SMOKE, WHITE PHOSPHORUS with burster, expelling charge or propelling charge	1.2H	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0246	AMMUNITION, SMOKE, WHITE PHOSPHORUS with burster, expelling charge or propelling charge	1.3H	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0247	AMMUNITION, INCENDIARY, liquid or gel, with burster, expelling charge or propelling charge	1.3J	–	–	–	0	E0	P101	–	–	–
0248	CONTRIVANCES, WATER-ACTIVATED with burster, expelling charge or propelling charge	1.2L	4.3	–	274	0	E0	P144	PP77	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
	Tank instructions	Provisions					
(12)	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-B, S-Z	Category 05 SW1	SGG17	Sensitive substance used in detonators, which becomes extremely sensitive if the wetting agents are lost. This substance, when containing less alcohol, water or phlegmatizer than specified, shall not be transported, unless specifically authorized by the competent authority.	0224
–	–	–	F-B, S-X	Category 05 SW1	–	See glossary of terms in appendix B.	0225
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance. Mass detonating explosive which will become more sensitive if the wetting or desensitizing agent is lost. This substance, when containing less alcohol, water or phlegmatizer than specified, shall not be transported, unless specifically authorized by the competent authority.	0226
–	–	–	F-B, S-Z	Category 04 SW1	SG31	Substance.	0234
–	–	–	F-B, S-Y	Category 04 SW1	SG31	Substance.	0235
–	–	–	F-B, S-Y	Category 04 SW1	SG31	Substance.	0236
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0237
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0238
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0240
–	–	–	F-B, S-X	Category 04 SW1	SG34	See glossary of terms in appendix B.	0241
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0242
–	–	–	F-B, S-X	Category 05 SW1	–	See glossary of terms in appendix B.	0243
–	–	–	F-B, S-X	Category 05 SW1	–	See glossary of terms in appendix B.	0244
–	–	–	F-B, S-X	Category 05 SW1	–	See glossary of terms in appendix B.	0245
–	–	–	F-B, S-X	Category 05 SW1	–	See glossary of terms in appendix B.	0246
–	–	–	F-B, S-X	Category 05 SW1	–	See glossary of terms in appendix B.	0247
–	–	–	F-B, S-Y	Category 05 SW1	–	See glossary of terms in appendix B.	0248

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
0249	CONTRIVANCES, WATER-ACTIVATED with burster, expelling charge or propelling charge	1.3L	4.3	–	274	0	E0	P144	PP77	–	–
0250	ROCKET MOTORS WITH HYPERGOLIC LIQUIDS with or without expelling charge	1.3L	–	–	399	0	E0	P101	–	–	–
0254	AMMUNITION, ILLUMINATING with or without burster, expelling charge or propelling charge	1.3G	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0255	DETONATORS, ELECTRIC for blasting	1.4B	–	–	–	0	E0	P131	–	–	–
0257	FUZES, DETONATING	1.4B	–	–	–	0	E0	P141	–	–	–
0266	OCTOLITE (OCTOL), dry or wetted with less than 15% water, by mass	1.1D	–	–	–	0	E0	P112 (a), (b) or (c)	–	–	–
0267	DETONATORS, NON-ELECTRIC for blasting	1.4B	–	–	–	0	E0	P131	PP68	–	–
0268	BOOSTERS WITH DETONATOR	1.2B	–	–	–	0	E0	P133	PP69	–	–
0271	CHARGES, PROPELLING	1.1C	–	–	–	0	E0	P143	PP76	–	–
0272	CHARGES, PROPELLING	1.3C	–	–	–	0	E0	P143	PP76	–	–
0275	CARTRIDGES, POWER DEVICE	1.3C	–	–	–	0	E0	P134 LP102	–	–	–
0276	CARTRIDGES, POWER DEVICE	1.4C	–	–	–	0	E0	P134 LP102	–	–	–
0277	CARTRIDGES, OIL WELL	1.3C	–	–	–	0	E0	P134 LP102	–	–	–
0278	CARTRIDGES, OIL WELL	1.4C	–	–	–	0	E0	P134 LP102	–	–	–
△ 0279	CHARGES, PROPELLING, FOR CANNON	1.1C	–	–	–	0	E0	P130 LP101	–	–	–
0280	ROCKET MOTORS	1.1C	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0281	ROCKET MOTORS	1.2C	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0282	NITROGUANIDINE (PICRITE), dry or wetted with less than 20% water, by mass	1.1D	–	–	–	0	E0	P112 (a), (b) or (c)	–	–	–
0283	BOOSTERS without detonator	1.2D	–	–	–	0	E0	P132 (a) or (b)	–	–	–
0284	GRENADES, hand or rifle, with bursting charge	1.1D	–	–	–	0	E0	P141	–	–	–
0285	GRENADES, hand or rifle, with bursting charge	1.2D	–	–	–	0	E0	P141	–	–	–
0286	WARHEADS, ROCKET with bursting charge	1.1D	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0287	WARHEADS, ROCKET with bursting charge	1.2D	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0288	CHARGES, SHAPED, FLEXIBLE, LINEAR	1.1D	–	–	–	0	E0	P138	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-B, S-Y	Category 05 SW1	–	See glossary of terms in appendix B.	0249
–	–	–	F-B, S-X	Category 05 SW1	–	See glossary of terms in appendix B.	0250
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0254
–	–	–	F-B, S-X	Category 05 SW1	–	See glossary of terms in appendix B.	0255
–	–	–	F-B, S-X	Category 05 SW1	–	See glossary of terms in appendix B.	0257
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance. Mixtures of mass detonating explosives.	0266
–	–	–	F-B, S-X	Category 05 SW1	–	See glossary of terms in appendix B.	0267
–	–	–	F-B, S-X	Category 05 SW1	–	See glossary of terms in appendix B.	0268
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0271
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0272
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0275
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0276
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0277
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0278
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0279
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0280
–	–	–	F-B, S-X	Category 04 SW1	–	See glossary of terms in appendix B.	0281
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance.	0282
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0283
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0284
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0285
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0286
	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0287
–	–	–	F-B, S-X	Category 04 SW1	–	See glossary of terms in appendix B.	0288

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
0289	CORD, DETONATING, flexible	1.4D	–	–	–	0	E0	P139	PP71 PP72	–	–
0290	CORD (FUSE), DETONATING, metal-clad	1.1D	–	–	–	0	E0	P139	PP71	–	–
△ 0291	BOMBS with bursting charge	1.2F	–	–	–	0	E0	P130 LP101	–	–	–
0292	GRENADES, hand or rifle, with bursting charge	1.1F	–	–	–	0	E0	P141	–	–	–
0293	GRENADES, hand or rifle, with bursting charge	1.2F	–	–	–	0	E0	P141	–	–	–
△ 0294	MINES with bursting charge	1.2F	–	–	–	0	E0	P130 LP101	–	–	–
△ 0295	ROCKETS with bursting charge	1.2F	–	–	–	0	E0	P130 LP101	–	–	–
0296	SOUNDING DEVICES, EXPLOSIVE	1.1F	–	–	–	0	E0	P134 LP102	–	–	–
0297	AMMUNITION, ILLUMINATING with or without burster, expelling charge or propelling charge	1.4G	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0299	BOMBS, PHOTO-FLASH	1.3G	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0300	AMMUNITION, INCENDIARY with or without burster, expelling charge or propelling charge	1.4G	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0301	AMMUNITION, TEAR-PRODUCING with burster, expelling charge or propelling charge	1.4G	6.1/8	–	–	0	E0	P130 LP101	PP67 L1	–	–
0303	AMMUNITION, SMOKE with or without burster, expelling charge or propelling charge	1.4G	See SP204	–	204	0	E0	P130 LP101	PP67 L1	–	–
0305	FLASH POWDER	1.3G	–	–	–	0	E0	P113	PP49	–	–
0306	TRACERS FOR AMMUNITION	1.4G	–	–	–	0	E0	P133	PP69	–	–
0312	CARTRIDGES, SIGNAL	1.4G	–	–	–	0	E0	P135	–	–	–
0313	SIGNALS, SMOKE	1.2G	–	–	–	0	E0	P135	–	–	–
0314	IGNITERS	1.2G	–	–	–	0	E0	P142	–	–	–
0315	IGNITERS	1.3G	–	–	–	0	E0	P142	–	–	–
0316	FUZES, IGNITING	1.3G	–	–	–	0	E0	P141	–	–	–
0317	FUZES, IGNITING	1.4G	–	–	–	0	E0	P141	–	–	–
0318	GRENADES, PRACTICE, hand or rifle	1.3G	–	–	–	0	E0	P141	–	–	–
0319	PRIMERS, TUBULAR	1.3G	–	–	–	0	E0	P133	–	–	–
0320	PRIMERS, TUBULAR	1.4G	–	–	–	0	E0	P133	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0289
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0290
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0291
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0292
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0293
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0294
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0295
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0296
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0297
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0299
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0300
–	–	–	<u>F-B</u> , S-Z	Category 02 SW1	SG74	See glossary of terms in appendix B.	0301
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0303
–	–	–	F-B, S-Y	Category 03 SW1	–	See glossary of terms in appendix B.	0305
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0306
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0312
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0313
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0314
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0315
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0316
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0317
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0318
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0319
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0320

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
0321	CARTRIDGES FOR WEAPONS with bursting charge	1.2E	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0322	ROCKET MOTORS WITH HYPERGOLIC LIQUIDS with or without expelling charge	1.2L	–	–	–	0	E0	P101	–	–	–
0323	CARTRIDGES, POWER DEVICE	1.4S	–	–	347	0	E0	P134 LP102	–	–	–
△ 0324	PROJECTILES with bursting charge	1.2F	–	–	–	0	E0	P130 LP101	–	–	–
0325	IGNITERS	1.4G	–	–	–	0	E0	P142	–	–	–
△ 0326	CARTRIDGES FOR WEAPONS, BLANK	1.1C	–	–	–	0	E0	P130 LP101	–	–	–
△ 0327	CARTRIDGES FOR WEAPONS, BLANK or CARTRIDGES, SMALL ARMS, BLANK	1.3C	–	–	–	0	E0	P130 LP101	–	–	–
0328	CARTRIDGES FOR WEAPONS, INERT PROJECTILE	1.2C	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0329	TORPEDOES with bursting charge	1.1E	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
△ 0330	TORPEDOES with bursting charge	1.1F	–	–	–	0	E0	P130 LP101	–	–	–
0331	EXPLOSIVE, BLASTING, TYPE B (AGENT, BLASTING, TYPE B)	1.5D	–	–	–	0	E0	P116	PP61 PP62 PP64	IBC100	–
0332	EXPLOSIVE, BLASTING, TYPE E (AGENT, BLASTING, TYPE E)	1.5D	–	–	–	0	E0	P116	PP61 PP62	IBC100	–
0333	FIREWORKS	1.1G	–	–	–	0	E0	P135	–	–	–
0334	FIREWORKS	1.2G	–	–	–	0	E0	P135	–	–	–
0335	FIREWORKS	1.3G	–	–	–	0	E0	P135	–	–	–
0336	FIREWORKS	1.4G	–	–	–	0	E0	P135	–	–	–
0337	FIREWORKS	1.4S	–	–	–	0	E0	P135	–	–	–
△ 0338	CARTRIDGES FOR WEAPONS, BLANK or CARTRIDGES, SMALL ARMS, BLANK	1.4C	–	–	–	0	E0	P130 LP101	–	–	–
△ 0339	CARTRIDGES FOR WEAPONS, INERT PROJECTILE or CARTRIDGES, SMALL ARMS	1.4C	–	–	–	0	E0	P130 LP101	–	–	–
△ 0340	NITROCELLULOSE, dry or wetted with less than 25% water (or alcohol), by mass	1.1D	–	–	393	0	E0	P112 (a) or (b)	–	–	–
△ 0341	NITROCELLULOSE, unmodified or plasticized with less than 18% plasticizing substance, by mass	1.1D	–	–	393	0	E0	P112 (b)	–	–	–
△ 0342	NITROCELLULOSE, WETTED with not less than 25% alcohol, by mass	1.3C	–	–	105 393	0	E0	P114 (a)	PP43	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
(12)	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0321
–	–	–	F-B, S-X	Category 05 SW1	–	See glossary of terms in appendix B.	0322
–	–	–	F-B, S-X	Category 01 SW1	–	See glossary of terms in appendix B.	0323
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0324
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0325
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0326
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0327
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0328
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0329
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0330
–	T1	TP1 TP17 TP32	F-B, S-Y	Category 03 SW1	SG34	See glossary of terms in appendix B.	0331
–	T1	TP1 TP17 TP32	F-B, S-Y	Category 03 SW1	SG34	See glossary of terms in appendix B.	0332
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0333
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0334
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0335
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0336
–	–	–	F-B, S-X	Category 01 SW1	–	See glossary of terms in appendix B.	0337
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0338
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0339
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance.	0340
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance.	0341
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance.	0342

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
0343	NITROCELLULOSE, PLASTICIZED with not less than 18% plasticizing substance, by mass	1.3C	–	–	105 393	0	E0	P111	–	–	–
0344	PROJECTILES with bursting charge	1.4D	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0345	PROJECTILES, inert with tracer	1.4S	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0346	PROJECTILES with burster or expelling charge	1.2D	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0347	PROJECTILES with burster or expelling charge	1.4D	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0348	CARTRIDGES FOR WEAPONS with bursting charge	1.4F	–	–	–	0	E0	P130 LP101	–	–	–
0349	ARTICLES, EXPLOSIVE, N.O.S.	1.4S	–	–	178 274 347	0	E0	P101	–	–	–
0350	ARTICLES, EXPLOSIVE, N.O.S.	1.4B	–	–	178 274	0	E0	P101	–	–	–
0351	ARTICLES, EXPLOSIVE, N.O.S.	1.4C	–	–	178 274	0	E0	P101	–	–	–
0352	ARTICLES, EXPLOSIVE, N.O.S.	1.4D	–	–	178 274	0	E0	P101	–	–	–
0353	ARTICLES, EXPLOSIVE, N.O.S.	1.4G	–	–	178 274	0	E0	P101	–	–	–
0354	ARTICLES, EXPLOSIVE, N.O.S.	1.1L	See SP943	–	178 274	0	E0	P101	–	–	–
0355	ARTICLES, EXPLOSIVE, N.O.S.	1.2L	See SP943	–	178 274	0	E0	P101	–	–	–
0356	ARTICLES, EXPLOSIVE, N.O.S.	1.3L	See SP943	–	178 274	0	E0	P101	–	–	–
0357	SUBSTANCES, EXPLOSIVE, N.O.S.	1.1L	–	–	178 274	0	E0	P101	–	–	–
0358	SUBSTANCES, EXPLOSIVE, N.O.S.	1.2L	–	–	178 274	0	E0	P101	–	–	–
0359	SUBSTANCES, EXPLOSIVE, N.O.S.	1.3L	–	–	178 274	0	E0	P101	–	–	–
0360	DETONATOR ASSEMBLIES, NON-ELECTRIC for blasting	1.1B	–	–	–	0	E0	P131	–	–	–
0361	DETONATOR ASSEMBLIES, NON-ELECTRIC for blasting	1.4B	–	–	–	0	E0	P131	–	–	–
0362	AMMUNITION, PRACTICE	1.4G	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0363	AMMUNITION, PROOF	1.4G	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0364	DETONATORS FOR AMMUNITION	1.2B	–	–	–	0	E0	P133	–	–	–
0365	DETONATORS FOR AMMUNITION	1.4B	–	–	–	0	E0	P133	–	–	–
0366	DETONATORS FOR AMMUNITION	1.4S	–	–	347	0	E0	P133	–	–	–
0367	FUZES, DETONATING	1.4S	–	–	347	0	E0	P141	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
	Tank instructions	Provisions					
(12)	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance.	0343
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0344
–	–	–	F-B, S-X	Category 01 SW1	–	See glossary of terms in appendix B.	0345
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0346
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0347
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0348
–	–	–	F-B, S-X	Category 01 SW1	–	–	0349
–	–	–	F-B, S-X	Category 05 SW1	–	–	0350
–	–	–	F-B, S-X	Category 02 SW1	–	–	0351
–	–	–	F-B, S-X	Category 02 SW1	–	–	0352
–	–	–	F-B, S-X	Category 02 SW1	–	–	0353
–	–	–	F-B, S-X	Category 05 SW1	–	–	0354
–	–	–	F-B, S-X	Category 05 SW1	–	–	0355
–	–	–	F-B, S-X	Category 05 SW1	–	–	0356
–	–	–	F-B, S-Y	Category 05 SW1	–	–	0357
–	–	–	F-B, S-Y	Category 05 SW1	–	–	0358
–	–	–	F-B, S-Y	Category 05 SW1	–	–	0359
–	–	–	F-B, S-X	Category 05 SW1	–	See glossary of terms in appendix B.	0360
–	–	–	F-B, S-X	Category 05 SW1	–	See glossary of terms in appendix B.	0361
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0362
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0363
–	–	–	F-B, S-X	Category 05 SW1	–	See glossary of terms in appendix B.	0364
–	–	–	F-B, S-X	Category 05 SW1	–	See glossary of terms in appendix B.	0365
–	–	–	F-B, S-X	Category 01 SW1	–	See glossary of terms in appendix B.	0366
–	–	–	F-B, S-X	Category 01 SW1	–	See glossary of terms in appendix B.	0367

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
0368	FUZES, IGNITING	1.4S	–	–	–	0	E0	P141	–	–	–
△ 0369	WARHEADS, ROCKET with bursting charge	1.1F	–	–	–	0	E0	P130 LP101	–	–	–
0370	WARHEADS, ROCKET with burster or expelling charge	1.4D	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
△ 0371	WARHEADS, ROCKET with burster or expelling charge	1.4F	–	–	–	0	E0	P130 LP101	–	–	–
0372	GRENADES, PRACTICE, hand or rifle	1.2G	–	–	–	0	E0	P141	–	–	–
0373	SIGNAL DEVICES, HAND	1.4S	–	–	–	0	E0	P135	–	–	–
0374	SOUNDING DEVICES, EXPLOSIVE	1.1D	–	–	–	0	E0	P134 LP102	–	–	–
0375	SOUNDING DEVICES, EXPLOSIVE	1.2D	–	–	–	0	E0	P134 LP102	–	–	–
0376	PRIMERS, TUBULAR	1.4S	–	–	–	0	E0	P133	–	–	–
0377	PRIMERS, CAP TYPE	1.1B	–	–	–	0	E0	P133	–	–	–
0378	PRIMERS, CAP TYPE	1.4B	–	–	–	0	E0	P133	–	–	–
0379	CASES, CARTRIDGE, EMPTY, WITH PRIMER	1.4C	–	–	–	0	E0	P136	–	–	–
0380	ARTICLES, PYROPHORIC	1.2L	–	–	–	0	E0	P101	–	–	–
0381	CARTRIDGES, POWER DEVICE	1.2C	–	–	–	0	E0	P134 LP102	–	–	–
0382	COMPONENTS, EXPLOSIVE TRAIN, N.O.S.	1.2B	–	–	178 274	0	E0	P101	–	–	–
0383	COMPONENTS, EXPLOSIVE TRAIN, N.O.S.	1.4B	–	–	178 274	0	E0	P101	–	–	–
0384	COMPONENTS, EXPLOSIVE TRAIN, N.O.S.	1.4S	–	–	178 274 347	0	E0	P101	–	–	–
0385	5-NITROBENZOTRIAZOL	1.1D	–	–	–	0	E0	P112 (b) or (c)	–	–	–
0386	TRINITROBENZENESULPHONIC ACID	1.1D	–	–	–	0	E0	P112 (b) or (c)	PP26	–	–
0387	TRINITROFLUORENONE	1.1D	–	–	–	0	E0	P112 (b) or (c)	–	–	–
0388	TRINITROTOLUENE (TNT) AND TRINITROBENZENE MIXTURE or TRINITROTOLUENE (TNT) AND HEXANITROSTILBENE MIXTURE	1.1D	–	–	–	0	E0	P112 (b) or (c)	–	–	–
0389	TRINITROTOLUENE (TNT) MIXTURE CONTAINING TRINITROBENZENE AND HEXANITROSTILBENE	1.1D	–	–	–	0	E0	P112 (b) or (c)	–	–	–
0390	TRITONAL	1.1D	–	–	–	0	E0	P112 (b) or (c)	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
	Tank instructions	Provisions					
(12)	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-B, S-X	Category 01 SW1	–	See glossary of terms in appendix B.	0368
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0369
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0370
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0371
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0372
–	–	–	F-B, S-X	Category 01 SW1	–	See glossary of terms in appendix B.	0373
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0374
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0375
–	–	–	F-B, S-X	Category 01 SW1	–	See glossary of terms in appendix B.	0376
–	–	–	F-B, S-X	Category 05 SW1	–	See glossary of terms in appendix B.	0377
–	–	–	F-B, S-X	Category 05 SW1	–	See glossary of terms in appendix B.	0378
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0379
–	–	–	F-B, S-X	Category 05 SW1	–	See glossary of terms in appendix B.	0380
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0381
–	–	–	F-B, S-X	Category 05 SW1	–	See glossary of terms in appendix B.	0382
–	–	–	F-B, S-X	Category 05 SW1	–	See glossary of terms in appendix B.	0383
–	–	–	F-B, S-X	Category 01 SW1	–	See glossary of terms in appendix B.	0384
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance.	0385
–	–	–	F-B, S-Y	Category 04 SW1	SG31	Substance.	0386
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance.	0387
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance.	0388
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance.	0389
–	–	–	F-B, S-Y	Category 04 SW1	–	Tritonal is a substance consisting of trinitrotoluene (TNT) mixed with aluminium.	0390

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
0391	CYCLOTRIMETHYLENE-TRINITRAMINE (CYCLONITE; HEXOGEN; RDX) AND CYCLOTETRAMETHYLENE-TETRANITRAMINE (HMX; OCTOGEN) MIXTURE, WETTED with not less than 15% water, by mass or CYCLOTRIMETHYLENE-TRINITRAMINE (CYCLONITE; HEXOGEN; RDX) AND CYCLOTETRAMETHYLENE-TETRANITRAMINE (HMX; OCTOGEN) MIXTURE, DESENSITIZED with not less than 10% phlegmatizer, by mass	1.1D	–	–	266	0	E0	P112 (a) or (b)	–	–	–
0392	HEXANITROSTILBENE	1.1D	–	–	–	0	E0	P112 (b) or (c)	–	–	–
0393	HEXOTONAL	1.1D	–	–	–	0	E0	P112 (b)	–	–	–
0394	TRINITRORESORCINOL (STYPHNIC ACID), WETTED with not less than 20% water, or mixture of alcohol and water, by mass	1.1D	–	–	–	0	E0	P112 (a)	PP26	–	–
0395	ROCKET MOTORS, LIQUID FUELLED	1.2J	–	–	–	0	E0	P101	–	–	–
0396	ROCKET MOTORS, LIQUID FUELLED	1.3J	–	–	–	0	E0	P101	–	–	–
0397	ROCKETS, LIQUID FUELLED with bursting charge	1.1J	–	–	–	0	E0	P101	–	–	–
0398	ROCKETS, LIQUID FUELLED with bursting charge	1.2J	–	–	–	0	E0	P101	–	–	–
0399	BOMBS WITH FLAMMABLE LIQUID with bursting charge	1.1J	–	–	–	0	E0	P101	–	–	–
0400	BOMBS WITH FLAMMABLE LIQUID with bursting charge	1.2J	–	–	–	0	E0	P101	–	–	–
0401	DIPICRYL SULPHIDE, dry or wetted with less than 10% water, by mass	1.1D	–	–	–	0	E0	P112 (a), (b) or (c)	–	–	–
0402	AMMONIUM PERCHLORATE	1.1D	–	–	152	0	E0	P112 (b) or (c)	–	–	–
0403	FLARES, AERIAL	1.4G	–	–	–	0	E0	P135	–	–	–
0404	FLARES, AERIAL	1.4S	–	–	–	0	E0	P135	–	–	–
0405	CARTRIDGES, SIGNAL	1.4S	–	–	–	0	E0	P135	–	–	–
0406	DINITROSOBENZENE	1.3C	–	–	–	0	E0	P114 (b)	–	–	–
0407	TETRAZOL-1-ACETIC ACID	1.4C	–	–	–	0	E0	P114 (b)	–	–	–
0408	FUZES, DETONATING with protective features	1.1D	–	–	–	0	E0	P141	–	–	–
0409	FUZES, DETONATING with protective features	1.2D	–	–	–	0	E0	P141	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance. Mass detonating explosive which will become more sensitive if the wetting or desensitizing agents are lost. This substance, when containing less alcohol, water or phlegmatizer than specified, shall not be transported, unless specifically authorized by the competent authority.	0391
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance. Mass detonating explosive.	0392
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance. Mass detonating explosive.	0393
–	–	–	F-B, S-Y	Category 04 SW1	SG31	Substance. Mass detonating explosive.	0394
–	–	–	F-B, S-X	Category 05 SW1	SG67	See glossary of terms in appendix B.	0395
–	–	–	F-B, S-X	Category 05 SW1	SG67	See glossary of terms in appendix B.	0396
–	–	–	F-B, S-X	Category 05 SW1	SG67	See glossary of terms in appendix B.	0397
–	–	–	F-B, S-X	Category 05 SW1	SG67	See glossary of terms in appendix B.	0398
–	–	–	F-B, S-X	Category 05 SW1	SG67	See glossary of terms in appendix B.	0399
–	–	–	F-B, S-X	Category 05 SW1	SG67	See glossary of terms in appendix B.	0400
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance.	0401
–	–	–	F-B, S-Y	Category 04 SW1	SGG2 SG27	Substance.	0402
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0403
–	–	–	F-B, S-X	Category 01 SW1	–	See glossary of terms in appendix B.	0404
–	–	–	F-B, S-X	Category 01 SW1	–	See glossary of terms in appendix B.	0405
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance.	0406
–	–	–	F-B, S-Y	Category 02 SW1	–	Substance.	0407
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0408
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0409

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
0410	FUZES, DETONATING with protective features	1.4D	–	–	–	0	E0	P141	–	–	–
0411	PENTAERYTHRITE TETRANITRATE (PENTAERYTHRITOL TETRANITRATE; PETN) with not less than 7% wax, by mass	1.1D	–	–	131	0	E0	P112 (b) or (c)	–	–	–
0412	CARTRIDGES FOR WEAPONS with bursting charge	1.4E	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
△ 0413	CARTRIDGES FOR WEAPONS, BLANK	1.2C	–	–	–	0	E0	P130 LP101	–	–	–
△ 0414	CHARGES, PROPELLING, FOR CANNON	1.2C	–	–	–	0	E0	P130 LP101	–	–	–
0415	CHARGES, PROPELLING	1.2C	–	–	–	0	E0	P143	PP76	–	–
△ 0417	CARTRIDGES FOR WEAPONS, INERT PROJECTILE or CARTRIDGES, SMALL ARMS	1.3C	–	–	–	0	E0	P130 LP101	–	–	–
0418	FLARES, SURFACE	1.1G	–	–	–	0	E0	P135	–	–	–
0419	FLARES, SURFACE	1.2G	–	–	–	0	E0	P135	–	–	–
0420	FLARES, AERIAL	1.1G	–	–	–	0	E0	P135	–	–	–
0421	FLARES, AERIAL	1.2G	–	–	–	0	E0	P135	–	–	–
0424	PROJECTILES, inert with tracer	1.3G	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0425	PROJECTILES, inert with tracer	1.4G	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
△ 0426	PROJECTILES with burster or expelling charge	1.2F	–	–	–	0	E0	P130 LP101	–	–	–
△ 0427	PROJECTILES with burster or expelling charge	1.4F	–	–	–	0	E0	P130 LP101	–	–	–
0428	ARTICLES, PYROTECHNIC for technical purposes	1.1G	–	–	–	0	E0	P135	–	–	–
0429	ARTICLES, PYROTECHNIC for technical purposes	1.2G	–	–	–	0	E0	P135	–	–	–
0430	ARTICLES, PYROTECHNIC for technical purposes	1.3G	–	–	–	0	E0	P135	–	–	–
0431	ARTICLES, PYROTECHNIC for technical purposes	1.4G	–	–	–	0	E0	P135	–	–	–
0432	ARTICLES, PYROTECHNIC for technical purposes	1.4S	–	–	–	0	E0	P135	–	–	–
0433	POWDER CAKE (POWDER PASTE), WETTED with not less than 17% alcohol, by mass	1.1C	–	–	266	0	E0	P111	–	–	–
0434	PROJECTILES with burster or expelling charge	1.2G	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0435	PROJECTILES with burster or expelling charge	1.4G	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0436	ROCKETS with expelling charge	1.2C	–	–	–	0	E0	P130 LP101	PP67 L1	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0410
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance.	0411
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0412
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0413
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0414
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0415
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0417
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0418
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0419
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0420
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0421
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0424
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0425
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0426
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0427
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0428
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0429
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0430
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0431
–	–	–	F-B, S-X	Category 01 SW1	–	See glossary of terms in appendix B.	0432
–	–	–	F-B, S-Y	Category 04 SW1	–	See glossary of terms in appendix B.	0433
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0434
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0435
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0436

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
0437	ROCKETS with expelling charge	1.3C	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0438	ROCKETS with expelling charge	1.4C	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0439	CHARGES, SHAPED, without detonator	1.2D	–	–	–	0	E0	P137	PP70	–	–
0440	CHARGES, SHAPED, without detonator	1.4D	–	–	–	0	E0	P137	PP70	–	–
0441	CHARGES, SHAPED, without detonator	1.4S	–	–	347	0	E0	P137	PP70	–	–
0442	CHARGES, EXPLOSIVE, COMMERCIAL without detonator	1.1D	–	–	–	0	E0	P137	–	–	–
0443	CHARGES, EXPLOSIVE, COMMERCIAL without detonator	1.2D	–	–	–	0	E0	P137	–	–	–
0444	CHARGES, EXPLOSIVE, COMMERCIAL without detonator	1.4D	–	–	–	0	E0	P137	–	–	–
0445	CHARGES, EXPLOSIVE, COMMERCIAL without detonator	1.4S	–	–	347	0	E0	P137	–	–	–
0446	CASES, COMBUSTIBLE, EMPTY, WITHOUT PRIMER	1.4C	–	–	–	0	E0	P136	–	–	–
0447	CASES, COMBUSTIBLE, EMPTY, WITHOUT PRIMER	1.3C	–	–	–	0	E0	P136	–	–	–
0448	5-MERCAPTOTETRAZOL-1-ACETIC ACID	1.4C	–	–	–	0	E0	P114 (b)	–	–	–
0449	TORPEDOES, LIQUID FUELLED with or without bursting charge	1.1J	–	–	–	0	E0	P101	–	–	–
0450	TORPEDOES, LIQUID FUELLED with inert head	1.3J	–	–	–	0	E0	P101	–	–	–
0451	TORPEDOES with bursting charge	1.1D	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0452	GRENADES, PRACTICE, hand or rifle	1.4G	–	–	–	0	E0	P141	–	–	–
△ 0453	ROCKETS, LINE-THROWING	1.4G	–	–	–	0	E0	P130 LP101	–	–	–
0454	IGNITERS	1.4S	–	–	–	0	E0	P142	–	–	–
0455	DETONATORS, NON-ELECTRIC for blasting	1.4S	–	–	347	0	E0	P131	PP68	–	–
0456	DETONATORS, ELECTRIC for blasting	1.4S	–	–	347, 399	0	E0	P131	–	–	–
△ 0457	CHARGES, BURSTING, PLASTICS BONDED	1.1D	–	–	–	0	E0	P130 LP101	–	–	–
△ 0458	CHARGES, BURSTING, PLASTICS BONDED	1.2D	–	–	–	0	E0	P130 LP101	–	–	–
△ 0459	CHARGES, BURSTING, PLASTICS BONDED	1.4D	–	–	–	0	E0	P130 LP101	–	–	–
△ 0460	CHARGES, BURSTING, PLASTICS BONDED	1.4S	–	–	347	0	E0	P130 LP101	–	–	–
0461	COMPONENTS, EXPLOSIVE TRAIN, N.O.S.	1.1B	–	–	178 274	0	E0	P101	–	–	–
0462	ARTICLES, EXPLOSIVE, N.O.S.	1.1C	–	–	178 274	0	E0	P101	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0437
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0438
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0439
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0440
–	–	–	F-B, S-X	Category 01 SW1	–	See glossary of terms in appendix B.	0441
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0442
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0443
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0444
–	–	–	F-B, S-X	Category 01 SW1	–	See glossary of terms in appendix B.	0445
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0446
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0447
–	–	–	F-B, S-Y	Category 02 SW1	–	Substance.	0448
–	–	–	F-B, S-X	Category 05 SW1	SG67	See glossary of terms in appendix B.	0449
–	–	–	F-B, S-X	Category 05 SW1	SG67	See glossary of terms in appendix B.	0450
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0451
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0452
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0453
–	–	–	F-B, S-X	Category 01 SW1	–	See glossary of terms in appendix B.	0454
–	–	–	F-B, S-X	Category 01 SW1	–	See glossary of terms in appendix B.	0455
–	–	–	F-B, S-X	Category 01 SW1	–	See glossary of terms in appendix B.	0456
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0457
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0458
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0459
–	–	–	F-B, S-X	Category 01 SW1	–	See glossary of terms in appendix B.	0460
–	–	–	F-B, S-X	Category 05 SW1	–	See glossary of terms in appendix B.	0461
–	–	–	F-B, S-X	Category 03 SW1	–	–	0462

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
0463	ARTICLES, EXPLOSIVE, N.O.S.	1.1D	–	–	178 274	0	E0	P101	–	–	–
0464	ARTICLES, EXPLOSIVE, N.O.S.	1.1E	–	–	178 274	0	E0	P101	–	–	–
0465	ARTICLES, EXPLOSIVE, N.O.S.	1.1F	–	–	178 274	0	E0	P101	–	–	–
0466	ARTICLES, EXPLOSIVE, N.O.S.	1.2C	–	–	178 274	0	E0	P101	–	–	–
0467	ARTICLES, EXPLOSIVE, N.O.S.	1.2D	–	–	178 274	0	E0	P101	–	–	–
0468	ARTICLES, EXPLOSIVE, N.O.S.	1.2E	–	–	178 274	0	E0	P101	–	–	–
0469	ARTICLES, EXPLOSIVE, N.O.S.	1.2F	–	–	178 274	0	E0	P101	–	–	–
0470	ARTICLES, EXPLOSIVE, N.O.S.	1.3C	–	–	178 274	0	E0	P101	–	–	–
0471	ARTICLES, EXPLOSIVE, N.O.S.	1.4E	–	–	178 274	0	E0	P101	–	–	–
0472	ARTICLES, EXPLOSIVE, N.O.S.	1.4F	–	–	178 274	0	E0	P101	–	–	–
0473	SUBSTANCES, EXPLOSIVE, N.O.S.	1.1A	–	–	178 274	0	E0	P101	–	–	–
0474	SUBSTANCES, EXPLOSIVE, N.O.S.	1.1C	–	–	178 274	0	E0	P101	–	–	–
0475	SUBSTANCES, EXPLOSIVE, N.O.S.	1.1D	–	–	178 274	0	E0	P101	–	–	–
0476	SUBSTANCES, EXPLOSIVE, N.O.S.	1.1G	–	–	178 274	0	E0	P101	–	–	–
0477	SUBSTANCES, EXPLOSIVE, N.O.S.	1.3C	–	–	178 274	0	E0	P101	–	–	–
0478	SUBSTANCES, EXPLOSIVE, N.O.S.	1.3G	–	–	178 274	0	E0	P101	–	–	–
0479	SUBSTANCES, EXPLOSIVE, N.O.S.	1.4C	–	–	178 274	0	E0	P101	–	–	–
0480	SUBSTANCES, EXPLOSIVE, N.O.S.	1.4D	–	–	178 274	0	E0	P101	–	–	–
0481	SUBSTANCES, EXPLOSIVE, N.O.S.	1.4S	–	–	178 274 347	0	E0	P101	–	–	–
0482	SUBSTANCES, EXPLOSIVE, VERY INSENSITIVE (SUBSTANCES, EVI), N.O.S.	1.5D	–	–	178 274	0	E0	P101	–	–	–
0483	CYCLOTRIMETHYLENE-TRINITRAMINE (CYCLONITE; HEXOGEN; RDX), DESENSITIZED	1.1D	–	–	–	0	E0	P112 (b) or (c)	–	–	–
0484	CYCLOTETRAMETHYLENE-TETRANITRAMINE (HMX; OCTOGEN), DESENSITIZED	1.1D	–	–	–	0	E0	P112 (b) or (c)	–	–	–
0485	SUBSTANCES, EXPLOSIVE, N.O.S.	1.4G	–	–	178 274	0	E0	P101	–	–	–
0486	ARTICLES, EXPLOSIVE, EXTREMELY INSENSITIVE (ARTICLES, EEI)	1.6N	–	–	–	0	E0	P101	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-B, S-X	Category 03 SW1	–	–	0463
–	–	–	F-B, S-X	Category 03 SW1	–	–	0464
–	–	–	F-B, S-X	Category 03 SW1	–	–	0465
–	–	–	F-B, S-X	Category 03 SW1	–	–	0466
–	–	–	F-B, S-X	Category 03 SW1	–	–	0467
–	–	–	F-B, S-X	Category 03 SW1	–	–	0468
–	–	–	F-B, S-X	Category 03 SW1	–	–	0469
–	–	–	F-B, S-X	Category 03 SW1	–	–	0470
–	–	–	F-B, S-X	Category 03 SW1	–	–	0471
–	–	–	F-B, S-X	Category 03 SW1	–	–	0472
–	–	–	F-B, S-Y	Category 05 SW1	–	–	0473
–	–	–	F-B, S-Y	Category 04 SW1	–	–	0474
–	–	–	F-B, S-Y	Category 04 SW1	–	–	0475
–	–	–	F-B, S-Y	Category 03 SW1	–	–	0476
–	–	–	F-B, S-Y	Category 04 SW1	–	–	0477
–	–	–	F-B, S-Y	Category 03 SW1	–	–	0478
–	–	–	F-B, S-Y	Category 02 SW1	–	–	0479
–	–	–	F-B, S-Y	Category 02 SW1	–	–	0480
–	–	–	F-B, S-Y	Category 01 SW1	–	–	0481
–	–	–	F-B, S-Y	Category 03 SW1	–	–	0482
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance. Mass detonating explosive which will become more sensitive if the wetting or desensitizing agents are lost.	0483
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance. Mass detonating explosive which will become more sensitive if the wetting or desensitizing agents are lost.	0484
–	–	–	F-B, S-Y	Category 02 SW1	–	–	0485
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0486

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
0487	SIGNALS, SMOKE	1.3G	–	–	–	0	E0	P135	–	–	–
0488	AMMUNITION, PRACTICE	1.3G	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0489	DINITROGLYCOURIL (DINGU)	1.1D	–	–	–	0	E0	P112 (b) or (c)	–	–	–
0490	NITROTRIAZOLONE (NTO)	1.1D	–	–	–	0	E0	P112 (b) or (c)	–	–	–
0491	CHARGES, PROPELLING	1.4C	–	–	–	0	E0	P143	PP76	–	–
0492	SIGNALS, RAILWAY TRACK, EXPLOSIVE	1.3G	–	–	–	0	E0	P135	–	–	–
0493	SIGNALS, RAILWAY TRACK, EXPLOSIVE	1.4G	–	–	–	0	E0	P135	–	–	–
0494	JET PERFORATING GUNS, CHARGED, oil well, without detonator	1.4D	–	–	–	0	E0	P101	–	–	–
0495	PROPELLANT, LIQUID	1.3C	–	–	224	0	E0	P115	PP53 PP54 PP57 PP58	–	–
0496	OCTONAL	1.1D	–	–	–	0	E0	P112 (b) or (c)	–	–	–
0497	PROPELLANT, LIQUID	1.1C	–	–	224	0	E0	P115	PP53 PP54 PP57 PP58	–	–
0498	PROPELLANT, SOLID	1.1C	–	–	–	0	E0	P114 (b)	–	–	–
0499	PROPELLANT, SOLID	1.3C	–	–	–	0	E0	P114 (b)	–	–	–
0500	DETONATOR ASSEMBLIES, NON-ELECTRIC for blasting	1.4S	–	–	347	0	E0	P131	–	–	–
0501	PROPELLANT, SOLID	1.4C	–	–	–	0	E0	P114 (b)	–	–	–
0502	ROCKETS with inert head	1.2C	–	–	–	0	E0	P130 LP101	PP67 L1	–	–
0503	SAFETY DEVICES, PYROTECHNIC	1.4G	–	–	235 289	0	E0	P135	–	–	–
0504	1H-TETRAZOLE	1.1D	–	–	–	0	E0	P112 (c)	PP48	–	–
0505	SIGNALS, DISTRESS, ship	1.4G	–	–	–	0	E0	P135	–	–	–
0506	SIGNALS, DISTRESS, ship	1.4S	–	–	–	0	E0	P135	–	–	–
0507	SIGNALS, SMOKE	1.4S	–	–	–	0	E0	P135	–	–	–
0508	1-HYDROXYBENZOTRIAZOLE, ANHYDROUS, dry or wetted with less than 20% water, by mass	1.3C	–	–	–	0	E0	P114 (b)	PP48 PP50	–	–
0509	POWDER, SMOKELESS	1.4C	–	–	–	0	E0	P114(b)	PP48	–	–
0510	ROCKET MOTORS	1.4C	–	–	–	0	E0	P130 LP101	PP67 L1	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
	Tank instructions	Provisions					
(12)	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0487
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0488
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance.	0489
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance.	0490
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0491
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0492
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0493
–	–	–	F-B, S-X	Category 02 SW1 SW30	–	See glossary of terms in appendix B.	0494
–	–	–	F-B, S-Y	Category 04 SW1	–	See glossary of terms in appendix B.	0495
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance. Mixtures of mass detonating explosives.	0496
–	–	–	F-B, S-Y	Category 04 SW1	–	See glossary of terms in appendix B.	0497
–	–	–	F-B, S-Y	Category 04 SW1	–	See glossary of terms in appendix B.	0498
–	–	–	F-B, S-Y	Category 04 SW1	–	See glossary of terms in appendix B.	0499
–	–	–	F-B, S-X	Category 01 SW1	–	See glossary of terms in appendix B.	0500
–	–	–	F-B, S-Y	Category 02 SW1	–	See glossary of terms in appendix B.	0501
–	–	–	F-B, S-X	Category 03 SW1	–	See glossary of terms in appendix B.	0502
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0503
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance.	0504
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0505
–	–	–	F-B, S-X	Category 01 SW1	–	See glossary of terms in appendix B.	0506
–	–	–	F-B, S-X	Category 01 SW1	–	See glossary of terms in appendix B.	0507
–	–	–	F-B, S-Y	Category 04 SW1	–	Substance.	0508
–	–	–	F-B, S-Y	Category 02 SW1	–	See glossary of terms in appendix B.	0509
–	–	–	F-B, S-X	Category 02 SW1	–	See glossary of terms in appendix B.	0510

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
■ 0511	DETONATORS, ELECTRONIC programmable for blasting	1.1B	–	–	399	0	E0	P131	–	–	–
■ 0512	DETONATORS, ELECTRONIC programmable for blasting	1.4B	–	–	399	0	E0	P131	–	–	–
■ 0513	DETONATORS, ELECTRONIC programmable for blasting	1.4S	–	–	347, 399	0	E0	P131	–	–	–
1001	ACETYLENE, DISSOLVED	2.1	–	–	–	0	E0	P200	–	–	–
△ 1002	AIR, COMPRESSED	2.2	–	–	392	120 mL	E1	P200	–	–	–
1003	AIR, REFRIGERATED LIQUID	2.2	5.1	–	–	0	E0	P203	–	–	–
1005	AMMONIA, ANHYDROUS	2.3	8 P	–	23 379	0	E0	P200	–	–	–
△ 1006	ARGON, COMPRESSED	2.2	–	–	378 392	120 mL	E1	P200	–	–	–
1008	BORON TRIFLUORIDE	2.3	8	–	373	0	E0	P200	–	–	–
1009	BROMOTRIFLUOROMETHANE (REFRIGERANT GAS R 13B1)	2.2	–	–	–	120 mL	E1	P200	–	–	–
1010	BUTADIENES, STABILIZED or BUTADIENES AND HYDROCARBON MIXTURE, STABILIZED, containing more than 40% butadienes	2.1	–	–	386	0	E0	P200	–	–	–
1011	BUTANE	2.1	–	–	392	0	E0	P200	–	–	–
1012	BUTYLENE	2.1	–	–	–	0	E0	P200	–	–	–
△ 1013	CARBON DIOXIDE	2.2	–	–	378 392	120 mL	E1	P200	–	–	–
1016	CARBON MONOXIDE, COMPRESSED	2.3	2.1	–	974	0	E0	P200	–	–	–
1017	CHLORINE	2.3	5.1/8 P	–	–	0	E0	P200	–	–	–
1018	CHLORODIFLUOROMETHANE (REFRIGERANT GAS R 22)	2.2	–	–	–	120 mL	E1	P200	–	–	–
1020	CHLOROPENTAFLUORO-ETHANE (REFRIGERANT GAS R 115)	2.2	–	–	–	120 mL	E1	P200	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-B, S-X	Category 05 SW1	–	See glossary of terms in appendix B.	0511
–	–	–	F-B, S-X	Category 05 SW1	–	See glossary of terms in appendix B.	0512
–	–	–	F-B, S-X	Category 01 SW1	–	See glossary of terms in appendix B.	0513
–	–	–	F-D, S-U	Category D SW1 SW2	SG46	Flammable gas with slight odour. Explosive limits: 2.1% to 80%. Lighter than air (0.907). Rough handling and exposure to local heating should be avoided, since these conditions may result in delayed explosion. Empty cylinders should be carried with the same precautions as filled cylinders.	1001
–	–	–	F-C, S-V	Category A	–	Non-flammable gas.	1002
–	T75	TP5 TP22	F-C, S-W	Category D	–	Liquefied, non-flammable gas. Strong oxidizing agent. Mixtures of liquid air with combustible materials or oils may explode. May ignite organic materials.	1003
–	T50	–	F-C, S-U	Category D SW2	SGG18 SG35 SG46	Liquefied, non-flammable, toxic and corrosive gas with a pungent odour. Lighter than air (0.6). Suffocating in low concentrations. Even though this substance has a flammability hazard, it only exhibits such hazard under extreme fire conditions in confined areas. Reacts violently with acids. Highly irritating to skin, eyes and mucous membranes.	1005
–	–	–	F-C, S-V	Category A	–	Inert gas. Heavier than air (1.4).	1006
–	–	–	F-C, S-U	Category D SW2	–	Non-flammable, toxic and corrosive gas. Forms dense white corrosive fumes in moist air. Reacts violently with water, evolving hydrogen fluoride, an irritating and corrosive gas apparent as white fumes. In the presence of moisture, highly corrosive to glass and most metals. Much heavier than air (2.35). Highly irritating to skin, eyes and mucous membranes.	1008
–	T50	–	F-C, S-V	Category A	–	Liquefied, non-flammable gas with a slight odour. Much heavier than air (5.2).	1009
–	T50	–	F-D, S-U	Category B SW1 SW2	–	Liquefied, flammable gas with an unpleasant odour. Explosive limits: 2% to 12%. Heavier than air (1.84).	1010
–	T50	–	F-D, S-U	Category E SW2	–	Flammable hydrocarbon gas. Explosive limits: 1.8% to 8.4%. Heavier than air (2.11).	1011
–	T50	–	F-D, S-U	Category E SW2	–	Flammable hydrocarbon gas. Explosive limits: 1.6% to 10%. Heavier than air (2.0).	1012
–	–	–	F-C, S-V	Category A	–	Liquefied, non-flammable gas. Heavier than air (1.5). Cannot remain in the liquid state above 31°C.	1013
–	–	–	F-D, S-U	Category D SW2	–	Flammable, toxic, odourless gas. Explosive limits: 12% to 75%. Slightly lighter than air (0.97).	1016
–	T50	TP19	F-C, S-U	Category D SW2	SG6 SG19	Non-flammable, toxic and corrosive yellow gas with a pungent odour. Corrosive to glass and to most metals. Much heavier than air (2.4). Highly irritating to skin, eyes and mucous membranes. Powerful oxidant which may cause fire.	1017
–	T50	–	F-C, S-V	Category A	–	Liquefied, non-flammable gas with a chloroform-like odour. Much heavier than air (3.0).	1018
–	T50	–	F-C, S-V	Category A	–	Liquefied, non-flammable gas. Much heavier than air (5.4).	1020

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1021	1-CHLORO-1,2,2,2-TETRA-FLUOROETHANE (REFRIGERANT GAS R 124)	2.2	–	–	–	120 mL	E1	P200	–	–	–
1022	CHLOROTRIFLUOROMETHANE (REFRIGERANT GAS R 13)	2.2	–	–	–	120 mL	E1	P200	–	–	–
1023	COAL GAS, COMPRESSED	2.3	2.1	–	–	0	E0	P200	–	–	–
1026	CYANOGEN	2.3	2.1	–	–	0	E0	P200	–	–	–
1027	CYCLOPROPANE	2.1	–	–	–	0	E0	P200	–	–	–
1028	DICHLORODIFLUOROMETHANE (REFRIGERANT GAS R 12)	2.2	–	–	–	120 mL	E1	P200	–	–	–
1029	DICHLOROFLUOROMETHANE (REFRIGERANT GAS R 21)	2.2	–	–	–	120 mL	E1	P200	–	–	–
1030	1,1-DIFLUOROETHANE (REFRIGERANT GAS R 152a)	2.1	–	–	–	0	E0	P200	–	–	–
1032	DIMETHYLAMINE, ANHYDROUS	2.1	–	–	–	0	E0	P200	–	–	–
1033	DIMETHYL ETHER	2.1	–	–	–	0	E0	P200	–	–	–
1035	ETHANE	2.1	–	–	–	0	E0	P200	–	–	–
1036	ETHYLAMINE	2.1	–	–	912	0	E0	P200	–	–	–
1037	ETHYL CHLORIDE	2.1	–	–	–	0	E0	P200	–	–	–
1038	ETHYLENE, REFRIGERATED LIQUID	2.1	–	–	–	0	E0	P203	–	–	–
1039	ETHYL METHYL ETHER	2.1	–	–	–	0	E0	P200	–	–	–
1040	ETHYLENE OXIDE or ETHYLENE OXIDE WITH NITROGEN up to a total pressure of 1 MPa (10 bar) at 50°C	2.3	2.1	–	342	0	E0	P200	–	–	–
1041	ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with more than 9% but not more than 87% ethylene oxide	2.1	–	–	–	0	E0	P200	–	–	–
1043	FERTILIZER AMMONIATING SOLUTION with free ammonia	2.2	–	–	–	120 mL	E0	P200	–	–	–
1044	FIRE EXTINGUISHERS with compressed or liquefied gas	2.2	–	–	225	120 mL	E0	P003	PP91	–	–
1045	FLUORINE, COMPRESSED	2.3	5.1/8	–	–	0	E0	P200	–	–	–
△ 1046	HELIUM, COMPRESSED	2.2	–	–	378 392 974	120 mL	E1	P200	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T50	–	F-C, S-V	Category A	–	Liquefied, non-flammable gas. Much heavier than air (4.7).	1021
–	–	–	F-C, S-V	Category A	–	Liquefied, non-flammable gas. Much heavier than air (3.6). Cannot remain in the liquid state above 29°C.	1022
–	–	–	F-D, S-U	Category D SW2	–	Flammable, toxic gas. Explosive limits: 4.5% to 40%. Much lighter than air (0.4 to 0.6).	1023
–	–	–	F-D, S-U	Category D SW2	–	Liquefied, flammable, toxic gas with a pungent odour. Explosive limits: 6.6% to 43%. Heavier than air (1.9).	1026
–	T50	–	F-D, S-U	Category E SW2	–	Flammable hydrocarbon gas. Heavier than air.	1027
–	T50	–	F-C, S-V	Category A	–	Liquefied, non-flammable gas. Much heavier than air (4.2).	1028
–	T50	–	F-C, S-V	Category A	–	Liquefied, non-flammable gas with a chloroform-like odour. Much heavier than air (3.6). Boiling point: 9°C.	1029
–	T50	–	F-D, S-U	Category B SW2	–	Flammable gas. Explosive limits: 5% to 17%. Much heavier than air (2.3).	1030
–	T50	–	F-D, S-U	Category D SW2	SG35	Liquefied, flammable gas with an ammonia-like odour. Heavier than air (1.6). Boiling point: 7°C. Suffocating in low concentrations.	1032
–	T50	–	F-D, S-U	Category B SW2	–	Flammable gas with a chloroform-like odour. Heavier than air (1.6).	1033
–	–	–	F-D, S-U	Category E SW2	–	Flammable gas. Explosive limits: 3% to 16%. Slightly heavier than air (1.05).	1035
–	T50	–	F-D, S-U	Category D SW2	SG35	Liquefied, flammable gas with an ammonia-like odour. Explosive limits: 3.5% to 14%. Heavier than air (1.6). Boiling point: 17°C.	1036
–	T50	–	F-D, S-U	Category B SW2	–	Liquefied, flammable gas. Explosive limits: 3.5% to 15%. Much heavier than air (2.2). Boiling point: 13°C.	1037
–	T75	TP5	F-D, S-U	Category D SW2	–	Liquefied, flammable gas. Explosive limits: 3% to 34%. Lighter than air (0.98).	1038
–	–	–	F-D, S-U	Category B SW2	–	Liquefied, flammable gas. Explosive limits: 2% to 10%. Much heavier than air (2.1). Boiling point: 11°C.	1039
–	T50	TP20 TP90	F-D, S-U	Category D SW2	–	Liquefied, flammable, toxic gases with an ether-like odour. Heavier than air (1.5). Boiling point: 11°C.	1040
–	T50	–	F-D, S-U	Category B SW2	–	Liquefied, flammable gas with an ether-like odour. Heavier than air (1.5).	1041
–	–	–	F-C, S-V	Category E SW2	–	Non-flammable aqueous solution of ammonium nitrate, calcium nitrate, urea and their mixtures containing ammonia gas. Emits toxic vapours of ammonia.	1043
–	–	–	F-C, S-V	Category A	–	Fire extinguishers, containing compressed or liquefied gases under pressure above 175 kPa for expelling fire-extinguishing contents.	1044
–	–	–	F-C, S-W	Category D SW2	SG6 SG19	Non-flammable, toxic and corrosive pale yellowish gas with a pungent odour. Powerful oxidant which may cause fire. Reacts with water or moist air to produce toxic and corrosive fumes. Corrosive to glass and to most metals. Will explode when mixed with hydrogen. Heavier than air (1.3). Highly irritating to skin, eyes and mucous membranes.	1045
–	–	–	F-C, S-V	Category A	–	Inert gas. Much lighter than air (0.14).	1046

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1048	HYDROGEN BROMIDE, ANHYDROUS	2.3	8	–	–	0	E0	P200	–	–	–
1049	HYDROGEN, COMPRESSED	2.1	–	–	392 974	0	E0	P200	–	–	–
1050	HYDROGEN CHLORIDE, ANHYDROUS	2.3	8	–	–	0	E0	P200	–	–	–
1051	HYDROGEN CYANIDE, STABILIZED containing less than 3% water	6.1	3 P	I	386	0	E0	P200	–	–	–
1052	HYDROGEN FLUORIDE, ANHYDROUS	8	6.1	I	–	0	E0	P200	–	–	–
1053	HYDROGEN SULPHIDE	2.3	2.1	–	–	0	E0	P200	–	–	–
1055	ISOBUTYLENE	2.1	–	–	–	0	E0	P200	–	–	–
△ 1056	KRYPTON, COMPRESSED	2.2	–	–	378 392	120 mL	E1	P200	–	–	–
1057	LIGHTERS or LIGHTER REFILLS containing flammable gas	2.1	–	–	201	0	E0	P002	PP84	–	–
△ 1058	LIQUEFIED GASES non-flammable, charged with nitrogen, carbon dioxide or air	2.2	–	–	392	120 mL	E1	P200	–	–	–
1060	METHYLACETYLENE AND PROPADIENE MIXTURE, STABILIZED	2.1	–	–	386	0	E0	P200	–	–	–
1061	METHYLAMINE, ANHYDROUS	2.1	–	–	–	0	E0	P200	–	–	–
1062	METHYL BROMIDE with not more than 2.0% chloropicrin	2.3	–	–	23	0	E0	P200	–	–	–
1063	METHYL CHLORIDE (REFRIGERANT GAS R 40)	2.1	–	–	–	0	E0	P200	–	–	–
1064	METHYL MERCAPTAN	2.3	2.1 P	–	–	0	E0	P200	–	–	–
△ 1065	NEON, COMPRESSED	2.2	–	–	378 392	120 mL	E1	P200	–	–	–
△ 1066	NITROGEN, COMPRESSED	2.2	–	–	378 392	120 mL	E1	P200	–	–	–
1067	DINITROGEN TETROXIDE (NITROGEN DIOXIDE)	2.3	5.1/8	–	–	0	E0	P200	–	–	–
1069	NITROSYL CHLORIDE	2.3	8	–	–	0	E0	P200	–	–	–
1070	NITROUS OXIDE	2.2	5.1	–	–	0	E0	P200	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-C, S-U	Category D SW2	–	Non-flammable, toxic and corrosive gas with a pungent odour. Highly corrosive in the presence of water. Much heavier than air (3.6). Highly irritating to the skin, eyes and mucous membranes.	1048
–	–	–	F-D, S-U	Category E SW2	SG46	Flammable, odourless gas. Explosive limits: 4% to 75%. Much lighter than air (0.07).	1049
–	–	–	F-C, S-U	Category D SW2	–	Non-flammable, toxic and corrosive colourless gas with a pungent odour. Highly corrosive in the presence of water. Heavier than air (1.3). Highly irritating to skin, eyes and mucous membranes.	1050
–	–	–	F-E, S-D	Category D SW1 SW2	–	Very volatile, colourless flammable liquid, evolving extremely toxic flammable vapours. Boiling point: 26°C. Flashpoint: –18°C c.c. Miscible with water. Highly toxic if swallowed, by skin contact or by inhalation.	1051
–	T10	TP2	F-C, S-U	Category D SW2	SGG1a SG36 SG49	Colourless, fuming and highly volatile liquid with an irritating and pungent odour. Highly corrosive to metals and glass in the presence of moisture. Boiling point: 20°C. Toxic if swallowed, by skin contact or by inhalation. Causes severe burns to skin, eyes and mucous membranes.	1052
–	–	–	F-D, S-U	Category D SW2	–	Liquefied, flammable, toxic gas with a foul odour. Heavier than air (1.2).	1053
–	T50	–	F-D, S-U	Category E SW2	–	Flammable hydrocarbon gas. Explosive limits: 1.8% to 8.8%. May contain propane, cyclopropane, propylene, butane, butylene, etc., in varying proportions. Heavier than air (1.94).	1055
–	–	–	F-C, S-V	Category A	–	Inert gas. Much heavier than air (2.9).	1056
–	–	–	F-D, S-U	Category B SW2	–	Lighters or lighter refills containing butane or other flammable gas.	1057
–	–	–	F-C, S-V	Category A	–	Non-flammable gases or mixtures of such gases which are used for filling receptacles from which the contents are to be dispersed under pressure. Vapour may be heavier than air.	1058
–	T50	–	F-D, S-U	Category B SW1 SW2	–	Flammable gas. Explosive limits: 3% to 11%. Heavier than air (1.4).	1060
–	T50	–	F-D, S-U	Category B SW2	SG35	Liquefied, flammable gas with an ammonia-like odour. Heavier than air (1.09).	1061
–	T50	–	F-C, S-U	Category D SW2	–	Liquefied, toxic gas with a chloroform-like odour. Much heavier than air (3.3). Boiling point: 4.5°C. Even though this substance has a flammability hazard, it only exhibits such hazard under extreme fire conditions in confined areas.	1062
–	T50	–	F-D, S-U	Category D SW2	–	Liquefied, flammable gas. Explosive limits: 8% to 20%. Heavier than air (1.8).	1063
–	T50	–	F-D, S-U	Category D SW2	–	Liquefied, flammable, toxic gas with a foul odour. Heavier than air (1.7). Boiling point: 6°C.	1064
–	–	–	F-C, S-V	Category A	–	Inert gas. Lighter than air (0.7).	1065
–	–	–	F-C, S-V	Category A	–	Non-flammable, odourless gas. Lighter than air (0.97).	1066
–	T50	TP21	F-C, S-W	Category D SW2	SG6 SG19	Liquefied, non-flammable, toxic and corrosive gas which gives off brown vapour with a pungent odour. Strong oxidizing agent. Boiling point: 21°C. Highly irritating to skin, eyes and mucous membranes. Toxic by inhalation, with delayed effect, similar to phosgene.	1067
–	–	–	F-C, S-U	Category D SW2	–	Non-flammable, toxic yellow gas with an irritating odour. Corrosive to steel. Much heavier than air (2.3). Highly irritating to skin, eyes and mucous membranes.	1069
–	–	–	F-C, S-W	Category A SW2	–	Non-flammable gas. Strong oxidizing agent. Heavier than air (1.5).	1070

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1071	OIL GAS, COMPRESSED	2.3	2.1	–	–	0	E0	P200	–	–	–
1072	OXYGEN, COMPRESSED	2.2	5.1	–	355	0	E0	P200	–	–	–
1073	OXYGEN, REFRIGERATED LIQUID	2.2	5.1	–	–	0	E0	P203	–	–	–
1075	PETROLEUM GASES, LIQUEFIED	2.1	–	–	392	0	E0	P200	–	–	–
1076	PHOSGENE	2.3	8	–	–	0	E0	P200	–	–	–
1077	PROPYLENE	2.1	–	–	–	0	E0	P200	–	–	–
1078	REFRIGERANT GAS, N.O.S.	2.2	–	–	274	120 mL	E1	P200	–	–	–
1079	SULPHUR DIOXIDE	2.3	8	–	–	0	E0	P200	–	–	–
△ 1080	SULPHUR HEXAFLUORIDE	2.2	–	–	392	120 mL	E1	P200	–	–	–
1081	TETRAFLUOROETHYLENE, STABILIZED	2.1	–	–	386	0	E0	P200	–	–	–
1082	TRIFLUOROCHLORO-ETHYLENE, STABILIZED (REFRIGERANT GAS R 1113)	2.3	2.1	–	386	0	E0	P200	–	–	–
1083	TRIMETHYLAMINE, ANHYDROUS	2.1	–	–	–	0	E0	P200	–	–	–
1085	VINYL BROMIDE, STABILIZED	2.1	–	–	386	0	E0	P200	–	–	–
1086	VINYL CHLORIDE, STABILIZED	2.1	–	–	386	0	E0	P200	–	–	–
1087	VINYL METHYL ETHER, STABILIZED	2.1	–	–	386	0	E0	P200	–	–	–
1088	ACETAL	3	–	II	–	1 L	E2	P001	–	IBC02	–
1089	ACETALDEHYDE	3	–	I	–	0	E0	P001	–	–	–
1090	ACETONE	3	–	II	–	1 L	E2	P001	–	IBC02	–
1091	ACETONE OILS	3	–	II	–	1 L	E2	P001	–	IBC02	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-D, S-U	Category D SW2	–	Flammable, toxic gas. A mixture of hydrocarbons and carbon monoxide.	1071
–	–	–	F-C, S-W	Category A	–	Non-flammable, odourless gas. Strong oxidizing agent. Heavier than air (1.1).	1072
–	T75	TP5 TP22	F-C, S-W	Category D	–	Liquefied, non-flammable gas. Strong oxidizing agent. Mixtures of liquid oxygen with acetylene or oils may explode.	1073
–	T50	–	F-D, S-U	Category E SW2	–	Flammable hydrocarbon gases or mixtures obtained from natural gas or by distillation of mineral oils or coal, etc. May contain propane, cyclopropane, propylene, butane, butylene, etc., in varying proportions. Heavier than air.	1075
–	–	–	F-C, S-U	Category D SW2	–	Liquefied, non-flammable, toxic and corrosive gas with a foul odour. Corrosive in the presence of water. Much heavier than air (3.5). Boiling point: 8°C. Highly irritating to skin, eyes and mucous membranes. This gas is particularly dangerous in that it may be inhaled without immediate effect but can cause severe damage and death after a few hours' delay.	1076
–	T50	–	F-D, S-U	Category E SW2	–	Flammable hydrocarbon gas. Explosive limits: 2% to 11.1%. Heavier than air (1.5).	1077
–	T50	–	F-C, S-V	Category A	–	Different chlorofluorohydrocarbons or other non-flammable, non-toxic gases considered as refrigerant agents.	1078
–	T50	TP19	F-C, S-U	Category D SW2	–	Non-flammable, toxic and corrosive gas with a pungent odour. Much heavier than air (2.3). Highly irritating to skin, eyes and mucous membranes.	1079
–	–	–	F-C, S-V	Category A	–	Liquefied, non-flammable, odourless gas. Much heavier than air (5.1).	1080
–	–	–	F-D, S-U	Category E SW1 SW2	–	Liquefied, flammable gas. Explosive limits: 11% to 60%. Much heavier than air (3.5). Irritating to skin, eyes and mucous membranes.	1081
–	T50	–	F-D, S-U	Category D SW1 SW2	–	Flammable, toxic, odourless gas. Explosive limits: 8.4% to 38.7%. Much heavier than air (4.0).	1082
–	T50	–	F-D, S-U	Category B SW2	SG35	Liquefied, flammable gas with a fishy odour. Explosive limits: 2% to 12%. Much heavier than air (2.1). Boiling point: 3°C.	1083
–	T50	–	F-D, S-U	Category B SW1 SW2	–	Liquefied, flammable gas. Much heavier than air (3.7). Boiling point: 16°C.	1085
–	T50	–	F-D, S-U	Category B SW1 SW2	–	Liquefied, flammable gas. Explosive limits: 4% to 31%. Much heavier than air (2.2).	1086
–	T50	–	F-D, S-U	Category B SW1 SW2	–	Liquefied, flammable gas. Explosive limits: 2.6% to 39%. Heavier than air (2.0). Boiling point: 6°C.	1087
–	T4	TP1	F-E, S-D	Category E	–	Colourless, volatile liquid with an agreeable odour. Flashpoint: below –18°C c.c. Explosive limits: 1.6% to 10.4%. Miscible with water.	1088
–	T11	TP2 TP7	F-E, S-D	Category E	–	Colourless liquid with a pungent, fruity odour. Flashpoint: –27°C c.c. Explosive limits: 4% to 57%. Boiling point: 21°C. Miscible with water. Harmful if swallowed or by inhalation.	1089
–	T4	TP1	F-E, S-D	Category E	–	Colourless, clear liquid, with a characteristic mint-like odour. Flashpoint: –20°C to –18°C c.c. Explosive limits: 2.5% to 13%. Miscible with water.	1090
–	T4	TP1 TP8	F-E, S-D	Category B	–	Light yellow to brownish, oily liquids. Flashpoint: –4°C to 8°C c.c. Immiscible with water.	1091

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
△ 1092	ACROLEIN, STABILIZED	6.1	3 P	I	354 386	0	E0	P601	–	–	–
1093	ACRYLONITRILE, STABILIZED	3	6.1	I	386	0	E0	P001	–	–	–
△ 1098	ALLYL ALCOHOL	6.1	3 P	I	354	0	E0	P602	–	–	–
1099	ALLYL BROMIDE	3	6.1 P	I	–	0	E0	P001	–	–	–
1100	ALLYL CHLORIDE	3	6.1	I	–	0	E0	P001	–	–	–
1104	AMYL ACETATES	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
1105	PENTANOLS	3	–	II	–	1 L	E2	P001	–	IBC02	–
1105	PENTANOLS	3	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
1106	AMYLAMINE	3	8	II	–	1 L	E2	P001	–	IBC02	–
1106	AMYLAMINE	3	8	III	223	5 L	E1	P001	–	IBC03	–
1107	AMYL CHLORIDE	3	–	II	–	1 L	E2	P001	–	IBC02	–
1108	1-PENTENE (<i>n</i> -AMYLENE)	3	–	I	–	0	E3	P001	–	–	–
1109	AMYL FORMATES	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
1110	<i>n</i> -AMYL METHYL KETONE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
1111	AMYL MERCAPTAN	3	–	II	–	1 L	E2	P001	–	IBC02	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
(12)	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T22	TP2 TP7 TP13	F-E, <u>S-D</u>	Category D SW1 SW2	–	Colourless or yellow liquid with a most irritating odour. Flashpoint: –26°C c.c. Explosive limits: 2.8% to 31%. Boiling point: 52°C. Miscible with water. Highly toxic if swallowed, by skin contact or by inhalation.	1092
–	T14	TP2 TP13	F-E, S-D	Category D SW1 SW2	–	Colourless, mobile liquid with a mild pungent odour. Flashpoint: –5°C c.c. Explosive limits: 3% to 17%. Partially miscible with water. Toxic if swallowed, by skin contact or by inhalation. Practice has shown that this substance may leak from packagings that ordinarily are leakproof to other chemicals.	1093
–	T20	TP2 TP13	F-E, <u>S-D</u>	Category D SW2	–	Colourless liquid with a pungent mustard-like odour. Flashpoint: 21°C c.c. Explosive limits: 2.5% to 18%. Miscible with water. Highly toxic if swallowed, by skin contact or by inhalation.	1098
–	T14	TP2 TP13	F-E, <u>S-D</u>	Category B SW2	SGG10	Colourless to light yellow liquid with an irritating odour. Flashpoint: –1°C c.c. Explosive limits: 4.4% to 7.3%. Immiscible with water. Highly toxic if swallowed, by skin contact or by inhalation.	1099
–	T14	TP2 TP13	F-E, S-D	Category E SW2	SGG10	Colourless liquid with an unpleasant pungent odour. Flashpoint: –29°C c.c. Explosive limits: 3.3% to 11.1%. Boiling point: 44°C. Immiscible with water. Toxic if swallowed, by skin contact or by inhalation.	1100
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquids with a pear- or banana-like odour. <i>normal</i> -AMYL ACETATE: flashpoint 25°C c.c. <i>secondary</i> -AMYL ACETATE: flashpoint 32°C c.c. Immiscible with water.	1104
–	T4	TP1 TP29	F-E, S-D	Category B	–	Colourless liquids with a strong odour. Immiscible with water. <i>tertiary</i> -AMYL ALCOHOL: flashpoint 19°C to 21°C c.c.	1105
–	T2	TP1	F-E, S-D	Category A	–	See entry above. Explosive limits: 1.2% to 10.5%.	1105
–	T7	TP1	F-E, S-C	Category B	SG35	Colourless, clear liquids. Explosive limits: 2.2% to 22%. <i>normal</i> -AMYLAMINE (1-PENTYLAMINE): flashpoint 4°C c.c. <i>tertiary</i> -AMYLAMINE (3-PENTYLAMINE): flashpoint 2°C c.c. Miscible with water. Harmful by inhalation. Cause burns to skin, eyes and mucous membranes.	1106
–	T4	TP1	F-E, S-C	Category A	SG35	See entry above. However, irritating to skin, eyes and mucous membranes.	1106
–	T4	TP1	F-E, S-D	Category B	SGG10	Colourless or light brown liquids with an aromatic odour. <i>n</i> -AMYL CHLORIDE: flashpoint 11°C. Explosive limits: <i>normal</i> -AMYL CHLORIDE 1.4% to 8.6%. Immiscible with water.	1107
–	T11	TP2	F-E, S-D	Category E	–	Colourless, volatile liquid with a disagreeable odour. Flashpoint: –20°C c.c. Explosive limits: 1.4% to 8.7%. Boiling point: 30°C. Immiscible with water. Irritating to skin, eyes and mucous membranes. Narcotic in high concentrations.	1108
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquids with a pleasant odour. <i>normal</i> -AMYL FORMATE: flashpoint 27°C c.c. ISOAMYL FORMATE: flashpoint 26°C c.c. Explosive limits: 1.7% to 10%. Immiscible with water.	1109
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid. Flashpoint: 49°C c.c. Immiscible with water.	1110
–	T4	TP1	F-E, S-D	Category B	SG50 SG57	Colourless to yellow liquids with an extremely disagreeable garlic-like odour. <i>tertiary</i> -AMYL MERCAPTAN: flashpoint –7°C c.c. <i>normal</i> -AMYL MERCAPTAN: flashpoint 19°C c.c. ISOAMYL MERCAPTAN: flashpoint 18°C c.c. Immiscible with water. These substances may leak from packagings that ordinarily are leakproof to other chemicals.	1111

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1112	AMYL NITRATE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
1113	AMYL NITRITE	3	–	II	–	1 L	E2	P001	–	IBC02	–
1114	BENZENE	3	–	II	–	1 L	E2	P001	–	IBC02	–
1120	BUTANOLS	3	–	II	–	1 L	E2	P001	–	IBC02	–
1120	BUTANOLS	3	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
1123	BUTYL ACETATES	3	–	II	–	1 L	E2	P001	–	IBC02	–
1123	BUTYL ACETATES	3	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
1125	<i>n</i> -BUTYLAMINE	3	8	II	–	1 L	E2	P001	–	IBC02	–
1126	1-BROMOBUTANE	3	–	II	–	1 L	E2	P001	–	IBC02	–
1127	CHLOROBUTANES	3	–	II	–	1 L	E2	P001	–	IBC02	–
1128	<i>n</i> -BUTYL FORMATE	3	–	II	–	1 L	E2	P001	–	IBC02	–
1129	BUTYRALDEHYDE	3	–	II	–	1 L	E2	P001	–	IBC02	–
1130	CAMPHOR OIL	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
1131	CARBON DISULPHIDE	3	6.1	I	–	0	E0	P001	PP31	–	–
1133	ADHESIVES containing flammable liquid	3	–	I	–	500 mL	E3	P001	–	–	–
1133	ADHESIVES containing flammable liquid	3	–	II	–	5 L	E2	P001	PP1	IBC02	–
1133	ADHESIVES containing flammable liquid	3	–	III	223 955	5 L	E1	P001 LP01	PP1	IBC03	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T2	TP1	F-E, S-D	Category A SW2	–	Colourless liquids with an ether-like odour. <i>normal</i> -AMYL NITRATE: flashpoint 48°C c.c. ISOAMYL NITRATE: flashpoint 52°C c.c. Immiscible with water. Harmful by inhalation.	1112
–	T4	TP1	F-E, S-D	Category E SW2	–	Yellowish, transparent, volatile liquid with a fragrant fruity odour. Flashpoint of the pure ISOAMYL NITRITE: –20°C c.c. Flashpoint of pure <i>normal</i> -AMYL NITRITE: 10°C c.c. Decomposes on exposure to air, light or water, evolving toxic nitrous fumes which are orange in colour. Immiscible with water. Harmful by inhalation.	1113
–	T4	TP1	F-E, S-D	Category B SW2	–	Colourless liquid with a characteristic odour. Flashpoint: –11°C c.c. Explosive limits: 1.4% to 8%. Freezing point 5°C; flashes below its freezing point. Immiscible with water. Narcotic. Exposure to this substance may produce serious chronic effects of a toxic nature.	1114
–	T4	TP1 TP29	F-E, S-D	Category B	–	Colourless liquids with a disagreeable odour. Explosive limits: <i>normal</i> -BUTANOL 1.4% to 11.2%. <i>secondary</i> -BUTANOL 1.7% to 9.8%. <i>tertiary</i> -BUTANOL 2.4% to 8%. <i>tertiary</i> -BUTANOL solidifies at about 25°C. <i>normal</i> -BUTANOL is immiscible with water. <i>secondary</i> -BUTANOL is immiscible with water. <i>tertiary</i> -BUTANOL is miscible with water. Irritating to skin, eyes and mucous membranes.	1120
–	T2	TP1	F-E, S-D	Category A	–	See entry above.	1120
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquids with a pineapple-like odour. Immiscible with water. <i>normal</i> -BUTYL ACETATE: flashpoint 27°C c.c. Explosive limits: 1.5% to 15%.	1123
–	T2	TP1	F-E, S-D	Category A	–	See entry above.	1123
–	T7	TP1	F-E, S-C	Category B SW2	SG35	Flashpoint: –9°C c.c. Explosive limits: 1.7% to 10%. Colourless, volatile liquid with an ammonia-like odour. Miscible with water. Causes burns to skin, eyes and mucous membranes.	1125
–	T4	TP1	F-E, S-D	Category B SW2	SGG10	Colourless to pale straw-coloured, clear liquid. Flashpoint: 13°C c.c. Explosive limits: 2.6% to 6.6%. Immiscible with water. Narcotic.	1126
–	T4	TP1	F-E, S-D	Category B	SGG10	Colourless liquids. <i>tertiary</i> -BUTYL CHLORIDE: flashpoint –30°C c.c., boiling point 51°C. Immiscible with water.	1127
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid. Flashpoint: 18°C c.c. Explosive limits: 1.6% to 8.3%. Immiscible with water.	1128
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid with a characteristic pungent odour. Flashpoint: –7°C c.c. Explosive limits: 1.4% to 12.5%. Immiscible with water.	1129
–	T2	TP1	F-E, S-E	Category A	–	Colourless oil with a characteristic odour. Flashpoint: 47°C c.c. Immiscible with water.	1130
–	T14	TP2 TP7 TP13	F-E, S-D	Category D SW2	SG63	Colourless or faintly yellow, clear liquid, almost odourless when pure; the commercial substance has a strong disagreeable odour. Flashpoint: –30°C c.c. Explosive limits: 1% to 60%. Boiling point: 46°C. Ignition temperature: 100°C. Immiscible with water. Vapours are heavier than air, will travel a considerable distance to a source of ignition and will flash back. Vapours may be ignited by contact with an ordinary light bulb or a warm steam pipe. Toxic if swallowed, by skin contact or by inhalation.	1131
–	T11	TP1 TP8 TP27	F-E, S-D	Category E	–	Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition.	1133
–	T4	TP1 TP8	F-E, S-D	Category B	–	See entry above.	1133
–	T2	TP1	F-E, S-D	Category A	–	See entry above.	1133

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1134	CHLOROBENZENE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
△ 1135	ETHYLENE CHLOROHYDRIN	6.1	3	I	354	0	E0	P602	–	–	–
1136	COAL TAR DISTILLATES, FLAMMABLE	3	–	II	–	1 L	E2	P001	–	IBC02	–
1136	COAL TAR DISTILLATES, FLAMMABLE	3	–	III	223 955	5 L	E1	P001 LP01	–	IBC03	–
1139	COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle under-coating, drum or barrel lining)	3	–	I	–	500 mL	E3	P001	–	–	–
1139	COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle under-coating, drum or barrel lining)	3	–	II	–	5 L	E2	P001	–	IBC02	–
1139	COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle under-coating, drum or barrel lining)	3	–	III	955	5 L	E1	P001 LP01	–	IBC03	–
△ 1143	CROTONALDEHYDE or CROTONALDEHYDE, STABILIZED	6.1	3 P	I	324 354 386	0	E0	P602	–	–	–
1144	CROTONYLENE	3	–	I	–	0	E3	P001	–	–	–
1145	CYCLOHEXANE	3	–	II	–	1 L	E2	P001	–	IBC02	–
1146	CYCLOPENTANE	3	–	II	–	1 L	E2	P001	–	IBC02	–
1147	DECAHYDRONAPHTHALENE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
1148	DIACETONE ALCOHOL	3	–	II	–	1 L	E2	P001	–	IBC02	–
1148	DIACETONE ALCOHOL	3	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
1149	DIBUTYL ETHERS	3	–	III	–	5 L	E1	P001	–	IBC03	–
1150	1,2-DICHLOROETHYLENE	3	–	II	–	1 L	E2	P001	–	IBC02	–
1152	DICHLOROPENTANES	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T2	TP1	F-E, S-D	Category A	SGG10	Colourless liquid with an almond-like odour. Flashpoint: 29°C c.c. Explosive limits: 1.3% to 11%. Immiscible with water.	1134
–	T20	TP2 TP13	F-E, S-D	Category D SW2	–	Colourless flammable liquid with a faint, ethereal odour. Flashpoint: 60°C o.c. Explosive limits: 4.9% to 15.9%. Miscible with water. When involved in a fire, evolves extremely toxic (phosgene) and corrosive (hydrogen chloride) fumes. Highly toxic if swallowed, by skin contact or by inhalation.	1135
–	T4	TP1	F-E, S-E	Category B	–	Immiscible with water. May form extremely sensitive compounds with heavy metals or their salts.	1136
–	T4	TP1 TP29	F-E, S-E	Category A	–	See entry above.	1136
–	T11	TP1 TP8 TP27	F-E, S-E	Category E	–	Miscibility with water depends upon the composition.	1139
–	T4	TP1 TP8	F-E, S-E	Category B	–	See entry above.	1139
–	T2	TP1	F-E, S-E	Category A	–	See entry above.	1139
–	T20	TP2 TP13	F-E, S-D	Category D SW1 SW2	–	Colourless, mobile liquid with a pungent odour. Turns to pale yellow in contact with light and air. Miscible with water. Flashpoint: 13°C c.c. Highly toxic if swallowed, by skin contact or by inhalation. May cause lung damage.	1143
–	T11	TP2	F-E, S-D	Category E	–	Colourless liquid. Flashpoint: –53°C c.c. Lower explosive limit: 1.4%. Boiling point: 27°C. Immiscible with water.	1144
–	T4	TP1	F-E, S-D	Category E	–	Colourless, mobile liquid with a sweet aromatic odour. Flashpoint: –18°C c.c. Explosive limits: 1.2% to 8.4%. Immiscible with water. Slightly irritating to skin, eyes and mucous membranes. Narcotic in high concentrations.	1145
–	T7	TP1	F-E, S-D	Category E	–	Colourless liquid with a pungent odour. Flashpoint: below –18°C c.c. Explosive limits: 1.4% to 8%. Boiling point: 49°C. Immiscible with water. Irritating to skin, eyes and mucous membranes. Narcotic in high concentrations.	1146
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquids with an aromatic odour. Flashpoint: 52°C to 57°C c.c. Explosive limits: 0.7% to 4.9%. Immiscible with water. Harmful by inhalation.	1147
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid. Explosive limits: 1.4% to 8%. Miscible with water.	1148
–	T2	TP1	F-E, S-D	Category A	–	See entry above.	1148
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquids with a mild ether-like odour. Explosive limits: 0.9% to 8.5%. Immiscible with water. <i>normal</i> -DIBUTYL ETHER: flashpoint 25°C c.c.	1149
–	T7	TP2	F-E, S-D	Category B	SGG10	Colourless liquid with a chloroform-like odour. Flashpoint: 6°C c.c. Explosive limits: 5.6% to 16%. Immiscible with water. Boiling range: 48°C to 61°C.	1150
–	T2	TP1	F-E, S-D	Category A	SGG10	Light yellow liquids. 1,5-DICHLOROPENTANE: flashpoint 26°C c.c. Immiscible with water.	1152

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1153	ETHYLENE GLYCOL DIETHYL ETHER	3	–	II	–	1 L	E2	P001	–	IBC02	–
1153	ETHYLENE GLYCOL DIETHYL ETHER	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
1154	DIETHYLAMINE	3	8	II	–	1 L	E2	P001	–	IBC02	–
1155	DIETHYL ETHER (ETHYL ETHER)	3	–	I	–	0	E3	P001	–	–	–
1156	DIETHYL KETONE	3	–	II	–	1 L	E2	P001	–	IBC02	–
1157	DIISOBUTYL KETONE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
1158	DIISOPROPYLAMINE	3	8	II	–	1 L	E2	P001	–	IBC02	–
1159	DIISOPROPYL ETHER	3	–	II	–	1 L	E2	P001	–	IBC02	–
1160	DIMETHYLAMINE, AQUEOUS SOLUTION	3	8	II	–	1 L	E2	P001	–	IBC02	–
1161	DIMETHYL CARBONATE	3	–	II	–	1 L	E2	P001	–	IBC02	–
1162	DIMETHYLDICHLOROSILANE	3	8	II	–	0	E0	P010	–	–	–
△ 1163	DIMETHYLHYDRAZINE, UNSYMMETRICAL	6.1	3/8 P	I	354	0	E0	P602	–	–	–
1164	DIMETHYL SULPHIDE	3	–	II	–	1 L	E2	P001	–	IBC02	B8
1165	DIOXANE	3	–	II	–	1 L	E2	P001	–	IBC02	–
1166	DIOXOLANE	3	–	II	–	1 L	E2	P001	–	IBC02	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
	Tank instructions	Provisions					
(12)	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T4	TP1	F-E, S-D	Category A	–	Colourless liquid with an ether-like odour. Flashpoint: 35°C c.c. Immiscible with water.	1153
–	T2	TP1	F-E, S-D	Category A	–	See entry above.	1153
–	T7	TP1	F-E, S-C	Category E SW2	SG35	Colourless liquid with an ammonia-like odour. Flashpoint: –39°C c.c. Explosive limits: 1.7% to 10.1%. Boiling point: 55°C. Miscible with water. Harmful if swallowed. Causes burns to skin, eyes and mucous membranes. Higher concentrations cause dangerous lung irritation.	1154
–	T11	TP2	F-E, S-D	Category E SW2	–	Colourless, volatile and mobile liquid with a pleasant aromatic odour. Flashpoint: –40°C c.c. Explosive limits: 1.7% to 48%. Boiling point: 34°C. Immiscible with water. In the presence of oxygen or on long standing or exposure to sunlight, unstable peroxides sometimes form; these may explode spontaneously or when heated. Strongly narcotic. Readily ignited by static electricity.	1155
–	T4	TP1	F-E, S-D	Category B	–	Colourless, mobile liquid. Flashpoint: 13°C c.c. Lower explosive limit: 1.6%. Immiscible with water.	1156
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid. Flashpoint: 49°C c.c. Explosive limits: 0.8% to 7.1%. Immiscible with water.	1157
–	T7	TP1	F-E, S-C	Category B	SG35	Colourless, volatile liquid with a fishy odour. Flashpoint: –7°C c.c. Explosive limits: 1.1% to 7.1%. Partially miscible with water. Harmful by inhalation. Causes burns to skin, eyes and mucous membranes.	1158
–	T4	TP1	F-E, S-D	Category E SW2	–	Colourless liquid with an ether-like odour. Flashpoint: –29°C c.c. Explosive limits: 1.1% to 21%. Immiscible with water. In the presence of oxygen or on long standing or exposure to sunlight, unstable peroxides sometimes form; these may explode spontaneously or when heated. Strongly narcotic. Readily ignited by static electricity.	1159
–	T7	TP1	F-E, S-C	Category B	SGG18 SG35	Aqueous solution of a flammable gas with an ammonia-like odour. Flashpoint for 60% solution in water: –32°C c.c. Explosive limits: 2.8% to 14.4%. Boiling point for 60% solution in water: 36°C. Flashpoint for 25% solution in water: 0°C c.c. Miscible with water. Harmful by inhalation. Causes burns to skin, eyes and mucous membranes. Reacts violently with acids.	1160
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid. Immiscible with water. Flashpoint: 18°C c.c.	1161
–	T10	TP2 TP7 TP13	F-E, S-C	Category B SW2	–	Colourless liquid with a pungent odour. Flashpoint: –9°C c.c. Explosive limits: 1.4% to 9.5%. Immiscible with water. Reacts with water to form a complex mixture of dimethylsiloxanes and evolves hydrogen chloride, a toxic and corrosive gas. Harmful by inhalation. Causes burns to skin, eyes and mucous membranes.	1162
–	T20	TP2 TP13	F-E, S-C	Category D SW2	SGG18 SG5 SG8 SG13 SG35	Colourless liquid with an ammonia-like odour. Flashpoint: –18°C c.c. Explosive limits: 2% to 95%. Miscible with water, generating heat. Reacts violently with acids. Highly toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes. May react dangerously with oxidizing substances.	1163
–	T7	TP2	F-E, S-D	Category E SW2	–	Colourless liquid with a disagreeable odour. Flashpoint: –37°C c.c. Explosive limits: 2.2% to 19.7%. Boiling point: 37°C. Immiscible with water. When involved in a fire, evolves toxic gases. Narcotic in high concentrations.	1164
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid with an ether-like odour. Flashpoint: 12°C c.c. Explosive limits: 2% to 22%. Miscible with water. Harmful by inhalation.	1165
–	T4	TP1	F-E, S-D	Category B SW2	–	Colourless liquid. Flashpoint: 2°C c.c. Miscible with water. Harmful by inhalation.	1166

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1167	DIVINYL ETHER, STABILIZED	3	–	I	386	0	E3	P001	–	–	–
1169	EXTRACTS, AROMATIC, LIQUID	3	–	II	–	5 L	E2	P001	–	IBC02	–
1169	EXTRACTS, AROMATIC, LIQUID	3	–	III	223 955	5 L	E1	P001 LP01	–	IBC03	–
1170	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	3	–	II	144	1 L	E2	P001	–	IBC02	–
1170	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	3	–	III	144 223	5 L	E1	P001 LP01	–	IBC03	–
1171	ETHYLENE GLYCOL MONOETHYL ETHER	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
1172	ETHYLENE GLYCOL MONOETHYL ETHER ACETATE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
1173	ETHYL ACETATE	3	–	II	–	1 L	E2	P001	–	IBC02	–
1175	ETHYLBENZENE	3	–	II	–	1 L	E2	P001	–	IBC02	–
1176	ETHYL BORATE	3	–	II	–	1 L	E2	P001	–	IBC02	–
1177	2-ETHYLBUTYL ACETATE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
1178	2-ETHYLBUTYRALDEHYDE	3	–	II	–	1 L	E2	P001	–	IBC02	–
1179	ETHYL BUTYL ETHER	3	–	II	–	1 L	E2	P001	–	IBC02	–
1180	ETHYL BUTYRATE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
1181	ETHYL CHLOROACETATE	6.1	3	II	–	100 mL	E4	P001	–	IBC02	–
△ 1182	ETHYL CHLOROFORMATE	6.1	3/8	I	354	0	E0	P602	–	–	–
1183	ETHYLDICHLOROSILANE	4.3	3/8	I	–	0	E0	P401	PP31	–	–
1184	ETHYLENE DICHLORIDE	3	6.1	II	–	1 L	E2	P001	–	IBC02	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T11	TP2	F-E, S-D	Category E SW1 SW2	–	Colourless, clear liquid with a characteristic odour. Flashpoint: –30°C c.c. Explosive limits: 1.7% to 27%. Boiling point: 30°C. Immiscible with water. In the presence of oxygen or on long standing or exposure to sunlight, unstable peroxides sometimes form; these may explode spontaneously or when heated. Strongly narcotic. Readily ignited by static electricity.	1167
–	T4	TP1 TP8	F-E, S-D	Category B	–	Usually consist of alcoholic solutions. Miscibility with water depends upon the composition.	1169
–	T2	TP1	F-E, S-D	Category A	–	See entry above.	1169
–	T4	TP1	F-E, S-D	Category A	–	Colourless, volatile liquids. Pure ETHANOL: flashpoint 13°C c.c. Explosive limits: 3.3% to 19%. Miscible with water.	1170
–	T2	TP1	F-E, S-D	Category A	–	See entry above.	1170
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid. Flashpoint: 40°C c.c. Explosive limits: 1.7% to 15.6%. Miscible with water.	1171
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid. Flashpoint: 51°C c.c. Explosive limits: 1.7% to 10.1%. Partially miscible with water.	1172
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid with a fragrant odour. Flashpoint: –4°C c.c. Explosive limits: 2.18% to 11.5%. Immiscible with water.	1173
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid with an aromatic odour. Flashpoint: 22°C c.c. Explosive limits: 1% to 6.7%. Immiscible with water.	1175
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid. Flashpoint: 11°C c.c. Immiscible with water.	1176
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid. Flashpoint: 54°C o.c. Immiscible with water.	1177
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid. Flashpoint: 11°C c.c. Explosive limits: 1.2% to 7.7%. Immiscible with water.	1178
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid. Flashpoint: –1°C c.c. Immiscible with water.	1179
–	T2	TP1	F-E, S-D	Category A	–	Colourless, volatile liquid with a pineapple-like odour. Flashpoint: 26°C c.c. Immiscible with water.	1180
–	T7	TP2	F-E, S-D	Category A	–	Colourless, flammable liquid with a pungent and fruity odour. Flashpoint: 54°C c.c. Immiscible with water. When heated, evolves toxic and corrosive fumes. Toxic if swallowed, by skin contact or by inhalation.	1181
–	T20	TP2 TP13	F-E, S-C	Category D SW2	SGG1 SG5 SG8 SG36 SG49	Colourless liquid. Flashpoint: 16°C c.c. Reacts and decomposes with water or heat, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. In the presence of moisture, highly corrosive to most metals. Highly toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	1182
–	T14	TP2 TP7 TP13	F-G, S-O	Category D SW2 H1	SGG1 SG5 SG8 SG13 SG25 SG26 SG36 SG49	Colourless, very volatile liquid with a pungent odour. Flashpoint: –1°C c.c. Immiscible with water. Reacts violently with water or steam to produce heat which may lead to self-ignition; toxic and corrosive fumes will be evolved. May react vigorously in contact with oxidizing substances. Causes burns to skin, eyes and mucous membranes.	1183
–	T7	TP1	F-E, S-D	Category B SW2	SGG10	Colourless liquid with a chloroform-like odour. Flashpoint: 13°C c.c. Explosive limits: 6.2% to 15.9%. Immiscible with water. Toxic by inhalation. Irritating to skin, eyes and mucous membranes.	1184

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1185	ETHYLENEIMINE, STABILIZED	6.1	3	I	354 386	0	E0	P601	–	–	–
1188	ETHYLENE GLYCOL MONOMETHYL ETHER	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
1189	ETHYLENE GLYCOL MONOMETHYL ETHER ACETATE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
1190	ETHYL FORMATE	3	–	II	–	1 L	E2	P001	–	IBC02	–
1191	OCTYL ALDEHYDES	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
1192	ETHYL LACTATE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
1193	ETHYL METHYL KETONE (METHYL ETHYL KETONE)	3	–	II	–	1 L	E2	P001	–	IBC02	–
1194	ETHYL NITRITE SOLUTION	3	6.1	I	900	0	E0	P001	–	–	–
1195	ETHYL PROPIONATE	3	–	II	–	1 L	E2	P001	–	IBC02	–
1196	ETHYLTRICHLOROSILANE	3	8	II	–	0	E0	P010	–	–	–
1197	EXTRACTS, FLAVOURING, LIQUID	3	–	II	–	5 L	E2	P001	–	IBC02	–
1197	EXTRACTS, FLAVOURING, LIQUID	3	–	III	223 955	5 L	E1	P001 LP01	–	IBC03	–
1198	FORMALDEHYDE SOLUTION, FLAMMABLE	3	8	III	–	5 L	E0	P001	–	IBC03	–
1199	FURALDEHYDES	6.1	3	II	–	100 mL	E4	P001	–	IBC02	–
1201	FUSEL OIL	3	–	II	–	1 L	E2	P001	–	IBC02	–
1201	FUSEL OIL	3	–	III	223 955	5 L	E1	P001 LP01	–	IBC03	–
1202	GAS OIL or DIESEL FUEL or HEATING OIL, LIGHT	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
1203	MOTOR SPIRIT or GASOLINE or PETROL	3	–	II	243	1 L	E2	P001	–	IBC02	–
1204	NITROGLYCERIN SOLUTION IN ALCOHOL with not more than 1% nitroglycerin	3	–	II	–	1 L	E0	P001	PP5	IBC02	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T22	TP2 TP13	F-E, S-D	Category D SW1 SW2	–	Colourless oily flammable liquid with a pungent ammonia-like odour. Flashpoint: –13°C c.c. Boiling point: 55°C. Explosive limits: 3.6% to 6.0%. Miscible with water. Highly toxic if swallowed, by skin contact or by inhalation.	1185
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid. Flashpoint: 38°C c.c. Explosive limits: 1.8% to 20%. Miscible with water.	1188
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid with a characteristic odour. Flashpoint: 44°C c.c. Explosive limits: 1.7% to 8.2%. Miscible with water.	1189
–	T4	TP1	F-E, S-D	Category E	–	Colourless liquid with a pleasant aromatic odour. Flashpoint: –20°C c.c. Explosive limits: 3.5% to 16.5%. Boiling point: 54°C. Immiscible with water.	1190
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquids with a characteristic odour. Flashpoint: 44°C to 52°C c.c. Explosive limits: 0.9% to 7.2%. Immiscible with water.	1191
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid. Flashpoint: 46°C c.c. Explosive limits: 1.5% to 11.4%. Miscible with water.	1192
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid. Flashpoint: –1°C c.c. Explosive limits: 1.8% to 11.5%. Miscible with water.	1193
–	–	–	F-E, S-D	Category D SW2	–	Alcoholic solution of ethyl nitrite. Extremely volatile, with an aromatic, ethereal odour. Explosive limits of the pure product: 3% to 50%. Boiling point of pure product: 17°C. Miscible or partially miscible with water. Decomposes under exposure to air, light, water or heat to evolve toxic nitrous fumes. Toxic if swallowed, by skin contact or by inhalation. Inhalation of ethyl nitrite vapours, even in small quantities, rapidly affects the heart and can be dangerous. Transport of ETHYL NITRITE pure is prohibited.	1194
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid with a pineapple-like odour. Flashpoint: 12°C c.c. Explosive limits: 1.8% to 11%. Immiscible with water.	1195
–	T10	TP2 TP7 TP13	F-E, S-C	Category B SW2	–	Colourless liquid with a pungent odour. Flashpoint: 14°C c.c. Readily hydrolysed by moisture, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. Causes burns to skin and eyes. Irritating to mucous membranes.	1196
–	T4	TP1 TP8	F-E, S-D	Category B	–	Usually consist of alcoholic solutions. Miscibility with water depends upon the composition.	1197
–	T2	TP1	F-E, S-D	Category A	–	See entry above.	1197
–	T4	TP1	F-E, S-C	Category A SW2	–	Colourless liquids with a pungent odour. Flashpoint: 32–60°C c.c. Miscible with water. Irritating to skin, eyes and mucous membranes.	1198
–	T7	TP2	F-E, S-D	Category A	–	Colourless or reddish-brown, mobile liquids with a pungent odour. Miscible with water. Explosive limits for 2-FURALDEHYDE: 2.1% to 19.3%. Flashpoints: 2-FURALDEHYDE 60°C c.c., 3-FURALDEHYDE 48°C c.c. Toxic if swallowed, by skin contact or by inhalation.	1199
–	T4	TP1	F-E, S-D	Category B	–	Colourless, oily liquid with a disagreeable odour. A mixture consisting of amyl alcohols. Immiscible with water.	1201
–	T2	TP1	F-E, S-D	Category A	–	See entry above.	1201
–	T2	TP1	F-E, S-E	Category A	–	Immiscible with water.	1202
–	T4	TP1	F-E, S-E	Category E	–	Immiscible with water.	1203
–	–	–	F-E, S-D	Category B	–	Immiscible with water. Ignites readily. When involved in a fire, evolves toxic nitrous fumes. Not explosive in this state but damage to, or leakage from, a package may allow solvent to evaporate and thus leave the nitroglycerin in an explosive state.	1204

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1206	HEPTANES	3	– P	II	–	1 L	E2	P001	–	IBC02	–
1207	HEXALDEHYDE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
1208	HEXANES	3	– P	II	–	1 L	E2	P001	–	IBC02	–
1210	PRINTING INK, flammable or PRINTING INK RELATED MATERIAL (including printing ink thinning or reducing compound), flammable	3	–	I	163 367	500 mL	E3	P001	–	–	–
1210	PRINTING INK, flammable or PRINTING INK RELATED MATERIAL (including printing ink thinning or reducing compound), flammable	3	–	II	163 367	5 L	E2	P001	PP1	IBC02	–
1210	PRINTING INK, flammable or PRINTING INK RELATED MATERIAL (including printing ink thinning or reducing compound), flammable	3	–	III	163 223 367 955	5 L	E1	P001 LP01	PP1	IBC03	–
1212	ISOBUTANOL (ISOBUTYL ALCOHOL)	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
1213	ISOBUTYL ACETATE	3	–	II	–	1 L	E2	P001	–	IBC02	–
1214	ISOBUTYLAMINE	3	8	II	–	1 L	E2	P001	–	IBC02	–
1216	ISOCTENES	3	–	II	–	1 L	E2	P001	–	IBC02	–
1218	ISOPRENE, STABILIZED	3	– P	I	386	0	E3	P001	–	–	–
1219	ISOPROPANOL (ISOPROPYL ALCOHOL)	3	–	II	–	1 L	E2	P001	–	IBC02	–
1220	ISOPROPYL ACETATE	3	–	II	–	1 L	E2	P001	–	IBC02	–
1221	ISOPROPYLAMINE	3	8	I	–	0	E0	P001	–	–	–
1222	ISOPROPYL NITRATE	3	–	II	26	1 L	E2	P001	–	–	–
1223	KEROSENE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
1224	KETONES, LIQUID, N.O.S.	3	–	II	274	1 L	E2	P001	–	IBC02	–
1224	KETONES, LIQUID, N.O.S.	3	–	III	223 274	5 L	E1	P001 LP01	–	IBC03	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T4	TP2	F-E, <u>S-D</u>	Category B	–	Colourless, volatile liquids. Explosive limits: 1.1% to 6.7%. <i>n</i> -HEPTANE: flashpoint –4°C c.c. Immiscible with water. Irritating to skin, eyes and mucous membranes.	1206
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid with a pungent odour. Flashpoint: 32°C c.c. Immiscible with water.	1207
–	T4	TP2	F-E, <u>S-D</u>	Category E	–	Colourless, volatile liquids with a faint odour. Explosive limits: 1.1% to 7.5%. <i>n</i> -HEXANE: flashpoint –22°C c.c., boiling point 69°C. NEOHXANE: flashpoint –48°C c.c., boiling point 50°C. Immiscible with water. Slightly irritating to skin, eyes and mucous membranes.	1208
–	T11	TP1 TP8	F-E, S-D	Category E	–	Fluid or viscous liquid containing colouring matter in solution or suspension. Miscibility with water depends upon the solvent.	1210
–	T4	TP1 TP8	F-E, S-D	Category B	–	See entry above.	1210
–	T2	TP1	F-E, S-D	Category A	–	See entry above.	1210
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid with a sweet odour. Flashpoint: 28°C c.c. Explosive limits: 1.2% to 10.9%. Partially miscible with water.	1212
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid with a pineapple-like odour. Flashpoint: 18°C c.c. Explosive limits: 1.3% to 10.5%. Immiscible with water.	1213
–	T7	TP1	F-E, S-C	Category B SW2	SG35	Colourless liquid. Flashpoint: –9°C c.c. Explosive limits: 3.4% to 9%. Miscible with water. Harmful by inhalation. Causes burns to skin and eyes. Irritating to mucous membranes.	1214
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquids. Immiscible with water.	1216
–	T11	TP2	F-E, <u>S-D</u>	Category D SW1	–	Colourless, volatile liquid. Flashpoint: –48°C c.c. Explosive limits: 1.5% to 9.7%. Boiling point: 34°C. Immiscible with water.	1218
–	T4	TP1	F-E, S-D	Category B	–	Colourless, mobile liquid. Flashpoint: 12°C c.c. Explosive limits: 2% to 12%. Miscible with water.	1219
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid with an aromatic odour. Flashpoint: 11°C c.c. Explosive limits: 1.8% to 7.8%. Immiscible with water.	1220
–	T11	TP2	F-E, S-C	Category E SW2	SG35	Colourless, volatile liquid with an ammonia-like odour. Flashpoint: –37°C c.c. Explosive limits: 2.3% to 10.4%. Boiling point: 32°C. Miscible with water. Harmful if swallowed. Causes burns to skin, eyes and mucous membranes.	1221
–	–	–	F-E, S-D	Category D	–	Colourless liquid. Flashpoint: 12°C c.c. Explosive limits: up to 100%. Immiscible with water. May explode on heating. Harmful by inhalation.	1222
–	T2	TP2	F-E, S-E	Category A	–	Immiscible with water.	1223
–	T7	TP1 TP8 TP28	F-E, S-D	Category B	–	–	1224
–	T4	TP1 TP29	F-E, S-D	Category A	–	–	1224

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1228	MERCAPTANS, LIQUID, FLAMMABLE, TOXIC, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, TOXIC, N.O.S.	3	6.1	II	274	1 L	E0	P001	–	IBC02	–
1228	MERCAPTANS, LIQUID, FLAMMABLE, TOXIC, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, TOXIC, N.O.S.	3	6.1	III	223 274	5 L	E1	P001	–	IBC03	–
1229	MESITYL OXIDE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
1230	METHANOL	3	6.1	II	279	1 L	E2	P001	–	IBC02	–
1231	METHYL ACETATE	3	–	II	–	1 L	E2	P001	–	IBC02	–
1233	METHYLAMYL ACETATE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
1234	METHYLAL	3	–	II	–	1 L	E2	P001	–	IBC02	B8
1235	METHYLAMINE, AQUEOUS SOLUTION	3	8	II	–	1 L	E2	P001	–	IBC02	–
1237	METHYL BUTYRATE	3	–	II	–	1 L	E2	P001	–	IBC02	–
△ 1238	METHYL CHLOROFORMATE	6.1	3/8	I	354	0	E0	P602	–	–	–
△ 1239	METHYL CHLOROMETHYL ETHER	6.1	3	I	354	0	E0	P602	–	–	–
1242	METHYLDICHLOROSILANE	4.3	3/8	I	–	0	E0	P401	PP31	–	–
1243	METHYL FORMATE	3	–	I	–	0	E3	P001	–	–	–
△ 1244	METHYLHYDRAZINE	6.1	3/8	I	354	0	E0	P602	–	–	–
1245	METHYL ISOBUTYL KETONE	3	–	II	–	1 L	E2	P001	–	IBC02	–
1246	METHYL ISOPROPENYL KETONE, STABILIZED	3	–	II	386	1 L	E2	P001	–	IBC02	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T11	TP2 TP27	F-E, S-D	Category B SW2	SG50 SG57	Colourless to yellow liquids with a garlic odour. Immiscible with water. Toxic if swallowed, by skin contact or by inhalation.	1228
–	T7	TP1 TP28	F-E, S-D	Category B SW2	SG50 SG57	See entry above.	1228
–	T2	TP1	F-E, S-D	Category A	–	Colourless, oily liquid with a sweet odour. Flashpoint: 32°C c.c. Miscible with water.	1229
–	T7	TP2	F-E, S-D	Category B SW2	–	Colourless, volatile liquid. Flashpoint: 12°C c.c. Explosive limits: 6% to 36.5%. Miscible with water. Toxic if swallowed; may cause blindness. Avoid skin contact.	1230
–	T4	TP1	F-E, S-D	Category B	–	Colourless, volatile liquid with a fragrant odour. Flashpoint: –10°C c.c. Explosive limits: 3% to 16%. Miscible with water.	1231
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid. Flashpoint: 43°C o.c. Immiscible with water.	1233
–	T7	TP2	F-E, S-D	Category E	–	Colourless, volatile liquid with a chloroform-like odour. Flashpoint: –28°C c.c. Explosive limits: 3.6% to 12.6%. Boiling point: 42°C. Miscible with water. Irritating to skin, eyes and mucous membranes.	1234
–	T7	TP1	F-E, S-C	Category E	SGG18 SG35 SG54	Aqueous solution of a flammable gas having an ammonia-like odour. Explosive limits: 5% to 20.7% (pure product). Boiling point: –7°C (pure product). Commercial product is a 40% solution with: boiling point 48°C, flashpoint –13°C c.c. Miscible with water. May react explosively with mercury. Causes burns to skin, eyes and mucous membranes.	1235
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid. Flashpoint: 14°C c.c. Immiscible with water.	1237
–	T22	TP2 TP13	F-E, S-C	Category D SW2	SGG1 SG5 SG8 SG36 SG49	Colourless liquid. Flashpoint: 5°C c.c. Immiscible with water. Highly toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	1238
–	T22	TP2 TP13	F-E, S-D	Category D SW2	–	Colourless liquid. Flashpoint: below –18°C c.c. Immiscible with water. Highly toxic if swallowed, by skin contact or by inhalation.	1239
–	T14	TP2 TP7 TP13	F-G, S-O	Category D SW2 H1	SGG1 SG5 SG8 SG13 SG25 SG26 SG36 SG49	Colourless, very volatile liquid with a pungent odour. Flashpoint: –26°C c.c. Explosive limits: 4.5% to 70%. Boiling point: 41°C. Immiscible with water. Reacts violently with water or steam to produce heat which may lead to self-ignition; toxic and corrosive fumes will be evolved. May react vigorously in contact with oxidizing substances. Causes burns to skin, eyes and mucous membranes.	1242
–	T11	TP2	F-E, S-D	Category E	–	Colourless liquid with an agreeable odour. Flashpoint: –32°C c.c. Explosive limits: 5% to 22.7%. Boiling point: 32°C. Miscible with water.	1243
–	T22	TP2 TP13	F-E, S-C	Category D SW2	SGG18 SG5 SG8 SG13 SG35	Colourless liquid with an ammonia-like odour. Flashpoint: 20°C c.c. Explosive limits: 2.5% to 98%. Miscible with water. Reacts violently with acids. May react dangerously with oxidizing substances. Highly toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	1244
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid with a pleasant odour. Flashpoint: 14°C c.c. Explosive limits: 1.4% to 7.5%. Immiscible with water.	1245
–	T4	TP1	F-E, S-D	Category C SW1	–	Colourless liquid with a pleasant odour. Explosive limits: 1.8% to 9%. Immiscible with water.	1246

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1247	METHYL METHACRYLATE MONOMER, STABILIZED	3	–	II	386	1 L	E2	P001	–	IBC02	–
1248	METHYL PROPIONATE	3	–	II	–	1 L	E2	P001	–	IBC02	–
1249	METHYL PROPYL KETONE	3	–	II	–	1 L	E2	P001	–	IBC02	–
1250	METHYLTRICHLOROSILANE	3	8	II	–	0	E0	P010	–	–	–
△ 1251	METHYL VINYL KETONE, STABILIZED	6.1	3/8	I	354 386	0	E0	P601	–	–	–
1259	NICKEL CARBONYL	6.1	3 P	I	–	0	E0	P601	–	–	–
1261	NITROMETHANE	3	–	II	26	1 L	E0	P001	–	–	–
1262	OCTANES	3	– P	II	–	1 L	E2	P001	–	IBC02	–
1263	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)	3	–	I	163 367	500 mL	E3	P001	–	–	–
1263	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)	3	–	II	163 367	5 L	E2	P001	PP1	IBC02	–
1263	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)	3	–	III	163 223 367 955	5 L	E1	P001 LP01	PP1	IBC03	–
1264	PARALDEHYDE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
1265	PENTANES, liquid	3	–	I	–	0	E3	P001	–	–	–
1265	PENTANES, liquid	3	–	II	–	1 L	E2	P001	–	IBC02	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T4	TP1	F-E, S-D	Category C SW1 SW2	–	Colourless, volatile liquid. Flashpoint: 8°C c.c. Explosive limits: 1.5% to 11.6%. Immiscible with water. Irritating to skin, eyes and mucous membranes.	1247
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid. Flashpoint: –2°C c.c. Explosive limits: 2.4% to 13%. Immiscible with water.	1248
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid. Flashpoint: 7°C c.c. Explosive limits: 1.5% to 8.2%. Immiscible with water.	1249
–	T10	TP2 TP7 TP13	F-E, S-C	Category B SW2	SGG1 SG36 SG49	Colourless liquid with a pungent odour. Flashpoint: 8°C o.c. Explosive limits: 5.1% to 20%. Immiscible with water. Readily hydrolysed by moisture, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. In the presence of moisture, corrosive to most metals. Causes burns to skin and eyes. Irritating to mucous membranes.	1250
–	T22	TP2 TP13	F-E, S-C	Category D SW1 SW2	SG5 SG8	Colourless liquid with a pungent odour. Miscible with water. Explosive limits: 2.1% to 15.6%. Flashpoint: –7°C c.c. Highly toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	1251
–	–	–	F-E, S-D	Category D SW2	SG63	Colourless or yellow, volatile, flammable liquid. Flashpoint: below –20°C c.c. Oxidizes in air and explodes at a temperature of 60°C. Lower explosive limit: 2.0%. Immiscible with water. Highly toxic if swallowed, by skin contact or by inhalation.	1259
–	–	–	F-E, S-D	Category A	–	Colourless liquid. Flashpoint: 35°C c.c. Explosive limits: 7.1% to 63%. Miscible with water. Fire and explosion hazard if package is ruptured.	1261
–	T4	TP2	F-E, S-E	Category B	–	Colourless liquids. Explosive limits: 1% to 6.5%. ISOCTANE: flashpoint –12°C c.c. <i>n</i> -OCTANE: flashpoint 13°C c.c. Immiscible with water.	1262
–	T11	TP1 TP8 TP27	F-E, S-E	Category E	–	Miscibility with water depends upon the composition.	1263
–	T4	TP1 TP8 TP28	F-E, S-E	Category B	–	See entry above.	1263
–	T2	TP1 TP29	F-E, S-E	Category A	–	See entry above.	1263
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid. Flashpoint: 27°C c.c. Lower explosive limit: 1.3%. Miscible with water.	1264
–	T11	TP2	F-E, S-D	Category E	–	Colourless liquids with a paraffin-like odour. Explosive limits: 1.4% to 8%. ISOPENTANE (2-METHYLBUTANE): boiling point 28°C. Immiscible with water. Slightly irritating to skin, eyes and mucous membranes. Narcotic in high concentrations.	1265
–	T4	TP1	F-E, S-D	Category E	–	See entry above. <i>normal</i> -PENTANE: boiling point 36°C.	1265

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1266	PERFUMERY PRODUCTS with flammable solvents	3	–	II	163	5 L	E2	P001	–	IBC02	–
1266	PERFUMERY PRODUCTS with flammable solvents	3	–	III	163 223 904 955	5 L	E1	P001 LP01	–	IBC03	–
1267	PETROLEUM CRUDE OIL	3	–	I	357	500 mL	E3	P001	–	–	–
1267	PETROLEUM CRUDE OIL	3	–	II	357	1 L	E2	P001	–	IBC02	–
1267	PETROLEUM CRUDE OIL	3	–	III	223 357	5 L	E1	P001 LP01	–	IBC03	–
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.	3	–	I	–	500 mL	E3	P001	–	–	–
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.	3	–	II	–	1 L	E2	P001	–	IBC02	–
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.	3	–	III	223 955	5 L	E1	P001 LP01	–	IBC03	–
1272	PINE OIL	3	– P	III	–	5 L	E1	P001 LP01	–	IBC03	–
1274	n-PROPANOL (PROPYL ALCOHOL, NORMAL)	3	–	II	–	1 L	E2	P001	–	IBC02	–
1274	n-PROPANOL (PROPYL ALCOHOL, NORMAL)	3	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
1275	PROPIONALDEHYDE	3	–	II	–	1 L	E2	P001	–	IBC02	–
1276	n-PROPYL ACETATE	3	–	II	–	1 L	E2	P001	–	IBC02	–
1277	PROPYLAMINE	3	8	II	–	1 L	E2	P001	–	IBC02	–
1278	1-CHLOROPROPANE	3	–	II	–	1 L	E0	P001	–	IBC02	B8
1279	1,2-DICHLOROPROPANE	3	–	II	–	1 L	E2	P001	–	IBC02	–
1280	PROPYLENE OXIDE	3	–	I	–	0	E3	P001	–	–	–
1281	PROPYL FORMATES	3	–	II	–	1 L	E2	P001	–	IBC02	–
1282	PYRIDINE	3	–	II	–	1 L	E2	P001	–	IBC02	–
1286	ROSIN OIL	3	–	II	–	1 L	E2	P001	–	IBC02	–
1286	ROSIN OIL	3	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
1287	RUBBER SOLUTION	3	–	II	–	5 L	E2	P001	–	IBC02	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T4	TP1 TP8	F-E, S-D	Category B	–	Miscibility with water depends upon the composition.	1266
–	T2	TP1	F-E, S-D	Category A	–	See entry above.	1266
–	T11	TP1 TP8	F-E, S-E	Category E	–	Immiscible with water.	1267
–	T4	TP1 TP8	F-E, S-E	Category B	–	See entry above.	1267
–	T2	TP1	F-E, S-E	Category A	–	See entry above.	1267
–	T11	TP1 TP8	F-E, S-E	Category E	–	Immiscible with water.	1268
–	T7	TP1 TP8 TP28	F-E, S-E	Category B	–	See entry above.	1268
–	T4	TP1 TP29	F-E, S-E	Category A	–	See entry above.	1268
–	T2	TP2	F-E, S-E	Category A	–	Volatile oils with characteristic odours. Flashpoint: 57°C to 60°C c.c. Immiscible with water.	1272
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid. Explosive limits: 2% to 12%. Flashpoint: 15°C to 23°C c.c. Miscible with water.	1274
–	T2	TP1	F-E, S-D	Category A	–	See entry above. Flashpoint: 23°C to 26°C c.c.	1274
–	T7	TP1	F-E, S-D	Category E	–	Colourless liquid with a pungent odour. Flashpoint: below –18°C c.c. Explosive limits: 2.3% to 21%. Boiling point: 49°C. Miscible with water. Irritating to skin, eyes and mucous membranes.	1275
–	T4	TP1	F-E, S-D	Category B	–	Colourless, clear liquid with a pleasant odour. Flashpoint: 10°C c.c. Explosive limits: 1.8% to 8%. Immiscible with water.	1276
–	T7	TP1	F-E, S-C	Category E SW2	SG35	Colourless liquid. Flashpoint: below –18°C c.c. Explosive limits: 2% to 10.4%. Boiling point: 48°C. Miscible with water. Harmful if swallowed. Causes burns to skin, eyes and mucous membranes.	1277
–	T7	TP2	F-E, S-D	Category E	SGG10	Colourless liquid with a chloroform-like odour. Flashpoint: –18°C c.c. Explosive limits: 2.6% to 10.5%. Boiling point: 47°C. Immiscible with water.	1278
–	T4	TP1	F-E, S-D	Category B	SGG10	Colourless liquid. Flashpoint: 15°C c.c. Immiscible with water. Harmful by inhalation. Irritating to skin and eyes.	1279
–	T11	TP2 TP7	F-E, S-D	Category E SW2	–	Colourless, volatile liquid with an ether-like odour. Flashpoint: below –18°C c.c. Explosive limits: 2% to 22%. Boiling point: 34°C. Partially miscible with water.	1280
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquids with a pleasant odour. Explosive limits: 2.4% to 7.8%. Miscibility with water depends upon the composition. Irritating to skin, eyes and mucous membranes.	1281
–	T4	TP2	F-E, S-D	Category B SW2	–	Colourless or slightly yellow liquid with a pungent odour. Flashpoint: 17°C c.c. Explosive limits: 1.8% to 12.4%. Miscible with water. Harmful by inhalation.	1282
–	T4	TP1	F-E, S-E	Category B	–	Colourless to brown viscous liquid. Immiscible with water.	1286
–	T2	TP1	F-E, S-E	Category A	–	See entry above.	1286
–	T4	TP1 TP8	F-E, S-D	Category B	–	Miscibility with water depends upon the composition.	1287

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1287	RUBBER SOLUTION	3	–	III	223 955	5 L	E1	P001 LP01	–	IBC03	–
1288	SHALE OIL	3	–	II	–	1 L	E2	P001	–	IBC02	–
1288	SHALE OIL	3	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
△ 1289	SODIUM METHYLATE SOLUTION in alcohol	3	8	II	–	1 L	E2	P001	–	IBC02	–
△ 1289	SODIUM METHYLATE SOLUTION in alcohol	3	8	III	223	5 L	E1	P001	–	IBC03	–
1292	TETRAETHYL SILICATE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
1293	TINCTURES, MEDICINAL	3	–	II	–	1 L	E2	P001	–	IBC02	–
1293	TINCTURES, MEDICINAL	3	–	III	904 955	5 L	E1	P001 LP01	–	IBC03	–
1294	TOLUENE	3	–	II	–	1 L	E2	P001	–	IBC02	–
1295	TRICHLOROSILANE	4.3	3/8	I	–	0	E0	P401	PP31	–	–
1296	TRIETHYLAMINE	3	8	II	–	1 L	E2	P001	–	IBC02	–
1297	TRIMETHYLAMINE, AQUEOUS SOLUTION, not more than 50% trimethylamine, by mass	3	8	I	–	0	E0	P001	–	–	–
1297	TRIMETHYLAMINE, AQUEOUS SOLUTION, not more than 50% trimethylamine, by mass	3	8	II	–	1 L	E2	P001	–	IBC02	–
1297	TRIMETHYLAMINE, AQUEOUS SOLUTION, not more than 50% trimethylamine, by mass	3	8	III	223	5 L	E1	P001	–	IBC03	–
1298	TRIMETHYLCHLOROSILANE	3	8	II	–	0	E0	P010	–	–	–
1299	TURPENTINE	3	– P	III	–	5 L	E1	P001 LP01	–	IBC03	–
1300	TURPENTINE SUBSTITUTE	3	–	II	–	1 L	E2	P001	–	IBC02	–
1300	TURPENTINE SUBSTITUTE	3	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
1301	VINYL ACETATE, STABILIZED	3	–	II	386	1 L	E2	P001	–	IBC02	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T2	TP1	F-E, S-D	Category A	–	Miscibility with water depends upon the composition.	1287
–	T4	TP1 TP8	F-E, S-E	Category B	–	Immiscible with water.	1288
–	T2	TP1	F-E, S-E	Category A	–	See entry above.	1288
–	T7	TP1 TP8	F-E, S-C	Category B	SGG18 SG35	Reacts violently with water. Causes burns to skin, eyes and mucous membranes.	1289
–	T4	TP1	F-E, S-C	Category A	SGG18 SG35	See entry above. Irritating to skin, eyes and mucous membranes.	1289
–	T2	TP1	F-E, S-D	Category A.	–	Colourless liquid. Flashpoint: 37°C c.c. Explosive limits: 1.3% to 23%. Immiscible with water.	1292
–	T4	TP1 TP8	F-E, S-D	Category B	–	Miscibility with water depends upon the composition.	1293
–	T2	TP1	F-E, S-D	Category A	–	See entry above.	1293
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid with a benzene-like odour. Flashpoint: 7°C c.c. Explosive limits: 1.27% to 7%. Immiscible with water.	1294
–	T14	TP2 TP7 TP13	F-G, S-O	Category D SW2 H1	SGG1 SG5 SG8 SG13 SG25 SG26 SG36 SG49 SG72	Colourless, very volatile, flammable and corrosive liquid. Flashpoint: below –50°C. Explosive limits: 1.2% to 90.5%. Boiling point: 32°C. Reacts with water or steam to produce heat, which may lead to self-ignition; toxic and corrosive fumes will be evolved. May react vigorously in contact with oxidizing substances. Causes burns to skin, eyes and mucous membranes.	1295
–	T7	TP1	F-E, S-C	Category B SW2	SG35	Colourless liquid with a strong ammonia-like odour. Flashpoint: –11°C c.c. Explosive limits: 1.2% to 8%. Miscible with water. Harmful by inhalation. Causes burns to skin and eyes. Irritating to mucous membranes.	1296
–	T11	TP1	F-E, S-C	Category D SW2	SG35 SG54	Aqueous solution of a flammable gas with an ammonia-like odour. Flashpoint depending on percentage of dissolved gas. May react explosively with mercury. Miscible with water. An aqueous solution of 45% TRIMETHYLAMINE, by mass, has a flashpoint of –45°C c.c. and a boiling point of 30°C (applicable to PG I only). Harmful by inhalation. Causes burns to skin, eyes and mucous membranes.	1297
–	T7	TP1	F-E, S-C	Category B SW2	SG35 SG54	See entry above.	1297
–	T7	TP1	F-E, S-C	Category A SW2	SG35 SG54	See entry above. Irritating to skin, eyes and mucous membranes.	1297
–	T10	TP2 TP7 TP13	F-E, S-C	Category E SW2	SGG1 SG36 SG49	Colourless liquid. Flashpoint: below –18°C c.c. Explosive limits: 1.8% to 6%. Boiling point: 57°C. Immiscible with water. Readily hydrolysed by moisture, evolving hydrogen chloride, a toxic and corrosive gas. Causes burns to skin, eyes and mucous membranes.	1298
–	T2	TP2	F-E, S-E	Category A	–	Colourless liquid. Flashpoint: 35°C c.c. Mixture of resin and volatile oils. Immiscible with water.	1299
–	T4	TP1	F-E, S-E	Category B	–	Immiscible with water.	1300
–	T2	TP1	F-E, S-E	Category A	–	See entry above.	1300
–	T4	TP1	F-E, S-D	Category C SW1	–	Colourless to light yellow liquid. Flashpoint: –8°C c.c. Explosive limits: 2.6% to 14%. Immiscible with water.	1301

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1302	VINYL ETHYL ETHER, STABILIZED	3	–	I	386	0	E3	P001	–	–	–
1303	VINYLDENE CHLORIDE, STABILIZED	3	– P	I	386	0	E3	P001	–	–	–
1304	VINYL ISOBUTYL ETHER, STABILIZED	3	–	II	386	1 L	E2	P001	–	IBC02	–
1305	VINYLTRICHLOROSILANE	3	8	II	–	0	E0	P010	–	–	–
1306	WOOD PRESERVATIVES, LIQUID	3	–	II	–	5 L	E2	P001	–	IBC02	–
1306	WOOD PRESERVATIVES, LIQUID	3	–	III	223 955	5 L	E1	P001 LP01	–	IBC03	–
1307	XYLENES	3	–	II	–	1 L	E2	P001	–	IBC02	–
1307	XYLENES	3	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
1308	ZIRCONIUM, SUSPENDED IN A FLAMMABLE LIQUID	3	–	I	–	0	E0	P001	PP33	–	–
1308	ZIRCONIUM, SUSPENDED IN A FLAMMABLE LIQUID	3	–	II	–	1 L	E2	P001	PP33	–	–
1308	ZIRCONIUM, SUSPENDED IN A FLAMMABLE LIQUID	3	–	III	223	5 L	E1	P001	–	–	–
1309	ALUMINIUM POWDER, COATED	4.1	–	II	–	1 kg	E2	P002	PP38 PP100	IBC08	B4 B21
1309	ALUMINIUM POWDER, COATED	4.1	–	III	223	5 kg	E1	P002 LP02	PP11 PP38 PP100 L3	IBC08	B4
1310	AMMONIUM PICRATE, WETTED with not less than 10% water, by mass	4.1	–	I	28	0	E0	P406	PP26 PP31	–	–
1312	BORNEOL	4.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
1313	CALCIUM RESINATE	4.1	–	III	–	5 kg	E1	P002	–	IBC06	–
1314	CALCIUM RESINATE, FUSED	4.1	–	III	–	5 kg	E1	P002	–	IBC04	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T11	TP2	F-E, S-D	Category D SW1	–	Colourless liquid. Flashpoint: below –18°C c.c. Explosive limits: 1.7% to 28%. Boiling point: 33°C. Immiscible with water. Extremely reactive; may polymerize.	1302
–	T12	TP2 TP7	F-E, S-D	Category D SW1 SW2	SGG10	Colourless to straw-coloured, volatile liquid with a sweet odour. Flashpoint: –28°C c.c. Explosive limits: 6.5% to 15.5%. Boiling point: 32°C. Immiscible with water.	1303
–	T4	TP1	F-E, S-D	Category C SW1	–	Colourless liquid. Flashpoint: –9°C o.c. Immiscible with water.	1304
–	T10	TP2 TP7 TP13	F-E, S-C	Category B SW2	SGG1 SG36 SG49	Colourless, pale yellow or pink liquid with a pungent odour. Flashpoint: 11°C c.c. Lower explosive limit: 3%. Readily hydrolysed by moisture, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. Immiscible with water. In the presence of moisture, corrosive to most metals.	1305
–	T4	TP1 TP8	F-E, S-D	Category B	–	Miscibility with water depends upon the composition. Harmful by inhalation.	1306
–	T2	TP1	F-E, S-D	Category A	–	See entry above.	1306
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquids. Flashpoint: 17°C to 23°C c.c. Explosive limits: 1.1% to 7%. Immiscible with water.	1307
–	T2	TP1	F-E, S-D	Category A	–	See entry above. Flashpoint: 23°C to 30°C c.c.	1307
–	–	–	F-E, S-D	Category D	–	Finely divided zirconium metal in a flammable liquid. Immiscible with water. Spillage is liable to self-ignition.	1308
–	–	–	F-E, S-D	Category B	–	See entry above.	1308
–	–	–	F-E, S-D	Category B	–	See entry above.	1308
–	T3	TP33	F-G, S-G	Category A H1	SGG15 SG17 SG25 SG26 SG32 SG35 SG36 SG52	If uncoated, it possesses the property of evolving hydrogen gas when in contact with water, especially seawater; if treated with oil or wax, it does not at ordinary temperatures. Reacts readily with acids and caustic alkalis, evolving hydrogen, a flammable gas. Reacts readily with iron oxide, producing a thermite effect. May form explosive mixtures with oxidizing substances. In the event of breakage of receptacles, the scattered powder is readily ignited by sparks or open flame and may give rise to an explosive atmosphere.	1309
–	T1	TP33	F-G, S-G	Category A H1	SGG15 SG17 SG25 SG26 SG32 SG35 SG36 SG52	See entry above.	1309
–	–	–	F-B, S-J	Category D	SGG2 SG7 SG30	Desensitized explosive. Substance in pure form consists of yellow crystals. Explosive and sensitive to friction in the dry state. May form extremely sensitive compounds with heavy metals or their salts. Harmful if swallowed or by skin contact.	1310
–	T1	TP33	F-A, S-I	Category A	–	White, translucent lumps. Camphor-like odour. Insoluble in water. Harmful by ingestion.	1312
–	T1	TP33	F-A, S-I	Category A	–	Yellowish-white, amorphous powder or lumps. Insoluble in water. Liable to spontaneous heating. Irritating to skin and mucous membranes.	1313
–	T1	TP33	F-A, S-I	Category A	–	Yellowish-white, amorphous powder or lumps. Insoluble in water. Liable to spontaneous heating. Irritating to skin and mucous membranes.	1314

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1318	COBALT RESINATE, PRECIPITATED	4.1	–	III	–	5 kg	E1	P002	–	IBC06	–
1320	DINITROPHENOL, WETTED with not less than 15% water, by mass	4.1	6.1 P	I	28	0	E0	P406	PP26 PP31	–	–
1321	DINITROPHENOLATES, WETTED with not less than 15% water, by mass	4.1	6.1 P	I	28	0	E0	P406	PP26 PP31	–	–
1322	DINITRORESORCINOL, WETTED with not less than 15% water, by mass	4.1	–	I	28	0	E0	P406	PP26 PP31	–	–
1323	FERROCERIUM	4.1	–	II	249	1 kg	E2	P002	PP100	IBC08	B4 B21
1324	FILMS, NITROCELLULOSE BASE, gelatin coated, except scrap	4.1	–	III	–	5 kg	E1	P002	PP15	–	–
1325	FLAMMABLE SOLID, ORGANIC, N.O.S.	4.1	–	II	274	1 kg	E2	P002	–	IBC08	B4 B21
1325	FLAMMABLE SOLID, ORGANIC, N.O.S.	4.1	–	III	223 274	5 kg	E1	P002	–	IBC08	B3
1326	HAFNIUM POWDER, WETTED with not less than 25% water (a visible excess of water must be present) (a) mechanically produced, particle size less than 53 microns; (b) chemically produced, particle size less than 840 microns	4.1	–	II	916	1 kg	E2	P410	PP31 PP40	IBC06	B21
1327	HAY, STRAW or BHUSA	4.1	–	–	29 281 954 973	3 kg	E0	P003	PP19	IBC08	B6
1328	HEXAMETHYLENETETRAMINE	4.1	–	III	–	5 kg	E1	P002	–	IBC08	B3
1330	MANGANESE RESINATE	4.1	–	III	–	5 kg	E1	P002	–	IBC06	–
1331	MATCHES, “STRIKE ANYWHERE”	4.1	–	III	293	5 kg	E0	P407	PP27	–	–
1332	METALDEHYDE	4.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
1333	CERIUM, slabs, ingots or rods	4.1	–	II	–	1 kg	E2	P002	PP100	IBC08	B4 B21
1334	NAPHTHALENE, CRUDE or NAPHTHALENE, REFINED	4.1	– P	III	948 967	5 kg	E1	P002 LP02	–	IBC08	B3
1336	NITROGUANIDINE (PICRITE), WETTED with not less than 20% water, by mass	4.1	–	I	28	0	E0	P406	PP31	–	–
1337	NITROSTARCH, WETTED with not less than 20% water, by mass	4.1	–	I	28	0	E0	P406	PP31	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T1	TP33	F-A, S-I	Category A	–	Dark brownish-black solid. Insoluble in water. Readily combustible; may ignite spontaneously if contaminated with vegetable fibres (such as cotton). Irritating to skin and mucous membranes.	1318
–	–	–	F-B, S-J	Category E	SG7 SG30	Desensitized explosive. Substance when pure consists of yellow crystals. Slightly soluble in water. May form extremely sensitive compounds with heavy metals or their salts. Toxic if swallowed, by skin contact or by inhalation.	1320
–	–	–	F-B, S-J	Category E	SG7 SG30	Desensitized explosives. Explosive and sensitive to friction in the dry state. May form extremely sensitive compounds with heavy metals or their salts. Toxic if swallowed, by skin contact or by inhalation.	1321
–	–	–	F-B, S-J	Category E	SG7 SG30	Desensitized explosive. Explosive when dry. May form extremely sensitive compounds with heavy metals or their salts. Harmful if swallowed or by skin contact.	1322
–	T3	TP33	F-G, S-G	Category A H1	SG25 SG26	Alloy derived from cerium or mischmetal, with the addition of 10% to 65% iron. Emits sparks when struck.	1323
–	–	–	F-A, S-I	Category D	SG7	Ignites readily. When involved in a fire, evolves toxic fumes; in closed compartments, these fumes may form an explosive mixture with air.	1324
–	T3	TP33	F-A, S-G	Category B	SG72	–	1325
–	T1	TP33	F-A, S-G	Category B	SG72	–	1325
–	T3	TP33	F-A, S-J	Category E	SGG15 SG17	Insoluble in water. Liable to spontaneous combustion when dry. Forms explosive mixtures with oxidizing substances.	1326
–	–	–	F-A, S-I	Category A SW10	SG23	Ignites readily. Liable to spontaneous combustion when wet, damp or contaminated with oil. Refuse for shipment when loose, damp, wet or contaminated with oil.	1327
–	T1	TP33	F-A, S-G	Category A	–	White, crystalline powder. Soluble in water.	1328
–	T1	TP33	F-A, S-I	Category A	–	Very dark brown solid. Insoluble in water. Liable to spontaneous heating. Irritating to skin, eyes and mucous membranes.	1330
–	–	–	F-A, S-I	Category B	–	Ignite by friction; prepared surface is not required.	1331
–	T1	TP33	F-A, S-G	Category A	–	White crystals, powder or tablets. Insoluble in water. Harmful if swallowed or by dust inhalation.	1332
–	–	–	F-G, S-P	Category A H1	SG17 SG25 SG26	Contains 94–99% rare earth metals. In contact with water or moist air, evolves hydrogen, a flammable gas. Emits sparks when scratched or struck.	1333
–	T1 BK2 BK3	TP33	F-A, S-G	Category A SW23	–	Crystalline flakes or powder with a persistent odour. Evolves flammable vapours at, or below, its melting point.	1334
–	–	–	F-B, S-J	Category E	SG7 SG30	Desensitized explosive. White solid. When involved in a fire, evolves toxic fumes; in closed compartments, these fumes may form an explosive mixture with air. May form extremely sensitive compounds with heavy metals or their salts.	1336
–	–	–	F-B, S-J	Category D	SG7 SG30	Desensitized explosive. Orange powder. Explosive and sensitive to friction in the dry state. When involved in a fire, evolves toxic fumes; in closed compartments these fumes may form an explosive mixture with air. May form extremely sensitive compounds with heavy metals or their salts.	1337

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1338	PHOSPHORUS, AMORPHOUS	4.1	–	III	–	5 kg	E1	P410	–	IBC08	B3
1339	PHOSPHORUS HEPTASULPHIDE, free from yellow or white phosphorus	4.1	–	II	–	1 kg	E2	P410	PP31	IBC04	–
1340	PHOSPHORUS PENTASULPHIDE, free from yellow or white phosphorus	4.3	4.1	II	–	500 g	E2	P410	PP31 PP40	IBC04	–
1341	PHOSPHORUS SESQUISULPHIDE, free from yellow or white phosphorus	4.1	–	II	–	1 kg	E2	P410	PP31	IBC04	–
1343	PHOSPHORUS TRISULPHIDE, free from yellow or white phosphorus	4.1	–	II	–	1 kg	E2	P410	PP31	IBC04	–
1344	TRINITROPHENOL (PICRIC ACID), WETTED with not less than 30% water, by mass	4.1	–	I	28	0	E0	P406	PP26 PP31	–	–
1345	RUBBER SCRAP or RUBBER SHODDY, powdered or granulated, not exceeding 840 microns and rubber content exceeding 45%	4.1	–	II	223 917	1 kg	E2	P002	–	IBC08	B4 B21
1346	SILICON POWDER, AMORPHOUS	4.1	–	III	32	5 kg	E1	P002 LP02	–	IBC08	B3
1347	SILVER PICRATE, WETTED with not less than 30% water, by mass	4.1	–	I	28 900	0	E0	P406	PP25 PP26 PP31	–	–
1348	SODIUM DINITRO- <i>o</i> -CRESOLATE, WETTED with not less than 15% water, by mass	4.1	6.1 P	I	28	0	E0	P406	PP26 PP31	–	–
1349	SODIUM PICRAMATE, WETTED with not less than 20% water, by mass	4.1	–	I	28	0	E0	P406	PP26 PP31	–	–
1350	SULPHUR	4.1	–	III	242 967	5 kg	E1	P002 LP02	–	IBC08	B3

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T1	TP33	F-A, S-G	Category A	SG17	Reddish-brown powder. Insoluble in water. Ignites readily by friction. When involved in a fire, evolves irritating fumes. Forms explosive mixtures with oxidizing substances. Harmful if swallowed or by dust inhalation.	1338
–	T3	TP33	F-G, S-G	Category B H1	SG17 SG25 SG26	Yellow solid. Ignites readily by friction. Develops heat in contact with moist air, evolving toxic and flammable gases. Forms explosive mixtures with oxidizing substances. Harmful if swallowed or by dust inhalation.	1339
–	T3	TP33	F-G, S-N	Category D H1	SG26	Yellow solid. Ignites readily by friction. Develops heat in contact with moist air, evolving toxic and flammable gases. Forms explosive mixtures with oxidizing substances. Harmful if swallowed or by dust inhalation.	1340
–	T3	TP33	F-A, S-G	Category B	SG17	Yellow solid. Ignites readily by friction. Develops heat in contact with moist air, evolving toxic and flammable gases. Forms explosive mixtures with oxidizing substances. Harmful if swallowed or by dust inhalation.	1341
–	T3	TP33	F-G, S-G	Category B H1	SG17 SG25 SG26	Yellow solid. Ignites readily by friction. Develops heat in contact with moist air, evolving toxic and flammable gases. Forms explosive mixtures with oxidizing substances. Harmful if swallowed or by dust inhalation.	1343
–	–	–	F-B, S-J	Category E	SG7 SG30	Desensitized explosive. Substance in pure form consists of yellow crystals. Soluble in water. Explosive and sensitive to friction in the dry state. May form extremely sensitive compounds with heavy metals or their salts. Harmful if swallowed or by skin contact.	1344
–	T3	TP33	F-A, S-I	Category A	–	Liable to spontaneous heating.	1345
–	T1	TP33	F-A, S-G	Category A	SG17	Dark brown, non-metallic powder. Burns in air, when ignited; readily flammable when mixed with oxidizing substances.	1346
–	–	–	F-B, S-J	Category D	SGG7 SG7 SG30	Desensitized explosive. Yellow crystals. Soluble in water. Explosive and sensitive to friction in the dry state. Harmful if swallowed or by skin contact. May form extremely sensitive compounds with heavy metals or their salts. Transport of SILVER PICRATE, dry or wetted with less than 30% water, by mass is prohibited.	1347
–	–	–	F-B, S-J	Category E	SG7 SG30	Desensitized explosive. Substance in pure form consists of yellow powder. Explosive and sensitive to friction in the dry state. May form extremely sensitive compounds with heavy metals or their salts. When involved in a fire, evolves toxic fumes; in closed compartments, these fumes may form an explosive mixture with air. Toxic if swallowed, by skin contact or by inhalation.	1348
–	–	–	F-B, S-J	Category E	SG7 SG30	Desensitized explosive. Substance in pure form consists of yellow powder. Explosive and sensitive to friction in the dry state. May form extremely sensitive compounds with heavy metals or their salts. When involved in a fire, evolves toxic fumes; in closed compartments, these fumes may form an explosive mixture with air. Harmful if swallowed or by skin contact.	1349
–	T1 BK2 BK3	TP33	F-A, S-G	Category A SW1 SW23	SG17	When involved in a fire, evolves toxic, very irritating and suffocating gas. The dust forms an explosive mixture with air which may be ignited by static electricity. Forms explosive mixtures with oxidizing substances. Corrosive to steel, in particular in the presence of moisture. The provisions of this Code should not apply to sulphur when it is formed to a specific shape (such as prills, granules, pellets, pastilles or flakes).	1350

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1352	TITANIUM POWDER, WETTED with not less than 25% water (a visible excess of water must be present) (a) mechanically produced, particle size less than 53 microns; (b) chemically produced, particle size less than 840 microns	4.1	–	II	28 916	1 kg	E2	P410	PP31 PP40	IBC06	B21
1353	FIBRES or FABRICS IMPREGNATED WITH WEAKLY NITRATED NITROCELLULOSE, N.O.S.	4.1	–	III	–	5 kg	E1	P410	–	IBC08	B3
1354	TRINITROBENZENE, WETTED with not less than 30% water, by mass	4.1	–	I	28	0	E0	P406	PP31	–	–
1355	TRINITROBENZOIC ACID, WETTED with not less than 30% water, by mass	4.1	–	I	28	0	E0	P406	PP31	–	–
1356	TRINITROTOLUENE (TNT), WETTED with not less than 30% water, by mass	4.1	–	I	28	0	E0	P406	PP31	–	–
1357	UREA NITRATE, WETTED with not less than 20% water, by mass	4.1	–	I	28 227	0	E0	P406	PP31	–	–
1358	ZIRCONIUM POWDER, WETTED with not less than 25% water (a visible excess of water must be present) (a) mechanically produced, particle size less than 53 microns; (b) chemically produced, particle size less than 840 microns	4.1	–	II	916	1 kg	E2	P410	PP31 PP40	IBC06	B21
1360	CALCIUM PHOSPHIDE	4.3	6.1	I	–	0	E0	P403	PP31	–	–
△ 1361	CARBON, animal or vegetable origin	4.2	–	II	925	0	E0	P002	PP12	IBC06	–
1361	CARBON, animal or vegetable origin	4.2	–	III	223 925	0	E0	P002 LP02	PP12	IBC08	B3

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T3	TP33	F-A, S-J	Category E	SGG15 SG17	Grey powder. Forms explosive mixtures with oxidizing substances.	1352
–	–	–	F-A, S-I	Category D	–	Toe board used in the manufacture of boots and shoes. When involved in a fire, evolves toxic fumes; in closed compartments, these fumes may form an explosive mixture with air.	1353
–	–	–	F-B, S-J	Category E	SG7 SG30	Desensitized explosive. Substance in pure form consists of yellow crystals. When involved in a fire, evolves toxic fumes; in closed compartments these fumes may form an explosive mixture with air. Explosive and sensitive to friction in the dry state. May form extremely sensitive compounds with heavy metals or their salts. Harmful if swallowed or by skin contact.	1354
–	–	–	F-B, S-J	Category E	SG7 SG30	Desensitized explosive. Substance in pure form consists of yellow crystals. Soluble in water. When involved in a fire, evolves toxic fumes; in closed compartments these fumes may form an explosive mixture with air. Explosive and sensitive to friction in the dry state. Harmful if swallowed or by skin contact. May form extremely sensitive compounds with heavy metals or their salts.	1355
–	–	–	F-B, S-J	Category E	SG7 SG30	Desensitized explosive. Substance in pure form consists of yellow crystals. When involved in a fire, evolves toxic fumes; in closed compartments these fumes may form an explosive mixture with air. Explosive and sensitive to friction in the dry state. May form extremely sensitive compounds with heavy metals or their salts. Harmful if swallowed or by skin contact.	1356
–	–	–	F-B, S-J	Category E	SG7 SG30	Desensitized explosive. Substance in pure form consists of white crystals. Soluble in water. When involved in a fire, evolves toxic fumes; in closed compartments these fumes may form an explosive mixture with air. Explosive and sensitive to friction in the dry state. May form extremely sensitive compounds with heavy metals or their salts.	1357
–	T3	TP33	F-G, S-J	Category E H1	SGG15 SG17 SG25 SG26	Grey powder. Insoluble in water. Liable to spontaneous combustion when dry. Forms explosive mixtures with oxidizing substances.	1358
–	–	–	F-G, S-N	Category E SW2 SW5 H1	SG26 SG35	Red to brown crystals. Reacts with acids or decomposes slowly in contact with water or damp air, evolving phosphine, a spontaneously flammable and highly toxic gas. Reacts violently with oxidizing substances. Toxic if swallowed, by skin contact or by inhalation.	1360
–	T3	TP33	F-A, S-J	Category A SW1 H2	–	Black material originating from organic sources. Particularly includes carbon blacks, other non-activated carbon materials and charcoal produced from materials such as bone, bamboo, coconut shell, jute and wood. Liable to heat slowly and ignite spontaneously in air. The material as offered for shipment should be cooled down to ambient temperature before packing.	1361
–	T1	TP33	F-A, S-J	Category A SW1 H2	–	See entry above.	1361

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
△ 1362	CARBON, ACTIVATED	4.2	–	III	223 925	0	E1	P002	PP11 PP31	IBC08	B3
1363	COPRA	4.2	–	III	29 926 973	0	E0	P003 LP02	PP20	IBC08	B3 B6
1364	COTTON WASTE, OILY	4.2	–	III	29 973	0	E0	P003 LP02	PP19	IBC08	B3 B6
1365	COTTON, WET	4.2	–	III	29 973	0	E0	P003	PP19	IBC08	B3 B6
1369	p-NITROSODIMETHYLANILINE	4.2	–	II	927	0	E2	P410	–	IBC06	B21
△ 1372	FIBRES, ANIMAL or FIBRES, VEGETABLE burnt, wet or damp	4.2	–	III	123	0	E1	P410	–	–	–
1373	FIBRES or FABRICS, ANIMAL or VEGETABLE or SYNTHETIC, N.O.S. with oil	4.2	–	III	–	0	E0	P410	PP31	IBC08	B3
1374	FISH MEAL, UNSTABILIZED or FISH SCRAP, UNSTABILIZED High hazard. Unrestricted moisture content. Unrestricted fat content in excess of 12%, by mass; unrestricted fat content in excess of 15%, by mass, in the case of anti-oxidant treated fish meal or fish scrap	4.2	–	II	300 928	0	E2	P410	PP31 PP40	IBC08	B4 B21
1374	FISH MEAL, UNSTABILIZED or FISH SCRAP, UNSTABILIZED Not anti-oxidant treated. Moisture content: more than 5% but not more than 12%, by mass. Fat content: not more than 12%, by mass	4.2	–	III	29 300 907 928	0	E1	P410	PP31	IBC08	B3 B21
1376	IRON OXIDE, SPENT or IRON SPONGE, SPENT obtained from coal gas purification	4.2	–	III	223	0	E0	P002 LP02	PP100 L3	IBC08	B4
1378	METAL CATALYST, WETTED with a visible excess of liquid	4.2	–	II	274	0	E0	P410	PP31 PP39 PP40	IBC01	–
1379	PAPER, UNSATURATED OIL TREATED, incompletely dried (including carbon paper)	4.2	–	III	–	0	E0	P410	PP31	IBC08	B3
1380	PENTABORANE	4.2	6.1	I	–	0	E0	P601	–	–	–
1381	PHOSPHORUS, WHITE or YELLOW, DRY or UNDER WATER or IN SOLUTION	4.2	6.1 P	I	–	0	E0	P405	PP31	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T1	TP33	F-A, S-J	Category A SW1 H2	–	Activated porous black carbon materials not including charcoal (see UN 1361). May be in the form of powder, granules, pellets, fibres or felts. If chemically activated, may self-heat, and may ignite spontaneously in air.	1362
–	BK2	–	F-A, S-J	Category A SW1 SW9 H1	–	Dried kernels of coconuts, with a penetrating rancid odour which may taint other cargoes.	1363
–	–	–	F-A, S-J	Category A	SG41	Fibres of vegetable origin.	1364
–	–	–	F-A, S-J	Category A	–	Readily combustible, liable to ignite spontaneously according to moisture content.	1365
–	T3	TP33	F-A, S-J	Category D	SG29	Dark green, crystalline solid, insoluble in water. Ignites spontaneously in air when dry. Harmful if swallowed.	1369
–	–	–	F-A, S-J	Category A	–	Liable to ignite spontaneously according to moisture content.	1372
–	T1	TP33	F-A, S-J	Category A	–	Liable to ignite spontaneously according to the oil content.	1373
–	T3	TP33	F-A, S-J	Category B SW1 SW24	SG65	Brown to greenish-brown product derived from oily fish. Strong odour which may affect other cargo. Liable to heat and ignite spontaneously.	1374
–	T1	TP33	F-A, S-J	Category A SW1 SW24	–	See entry above.	1374
–	T1 BK2	TP33	F-G, S-P	Category E H1	SG26	Obtained from coal gas purification. Strong odour which may taint other cargo. Liable to heat and ignite spontaneously. May evolve hydrogen sulphide, sulphur dioxide and hydrogen cyanide, which are toxic gases. This substance should have been cooled and weathered for not less than eight weeks before shipment, unless packed in a metal drum.	1376
–	T3	TP33	F-H, S-M	Category C	–	Liable to ignite spontaneously if dry.	1378
–	–	–	F-A, S-J	Category A	–	Liable to ignite spontaneously. The provisions of this Code should not apply to manufactured articles properly aged.	1379
–	–	–	F-G, S-L	Category D H1	SG26	Colourless liquid. Boiling point range: 48°C to 63°C. Ignites spontaneously in air. Decomposes in contact with water, evolving hydrogen, a flammable gas. Toxic if swallowed, by skin contact or by inhalation.	1380
–	T9	TP3 TP31	F-A, S-J	Category E	–	Ignites spontaneously in air. Melting point: 44°C. Toxic if swallowed, by skin contact or by inhalation. Receptacles are usually filled with substance in the liquid state which subsequently solidifies. A sufficient ullage should be allowed.	1381

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1382	POTASSIUM SULPHIDE, ANHYDROUS or POTASSIUM SULPHIDE with less than 30% water of crystallization	4.2	–	II	–	0	E2	P410	PP31 PP40	IBC06	B21
1383	PYROPHORIC METAL, N.O.S. or PYROPHORIC ALLOY, N.O.S.	4.2	–	I	274	0	E0	P404	PP31	–	–
1384	SODIUM DITHIONITE (SODIUM HYDROSULPHITE)	4.2	–	II	–	0	E2	P410	PP31	IBC06	B21
1385	SODIUM SULPHIDE, ANHYDROUS or SODIUM SULPHIDE with less than 30% water of crystallization	4.2	–	II	–	0	E2	P410	PP31	IBC06	B21
1386	SEED CAKE, containing vegetable oil (a) mechanically expelled seeds, containing more than 10% oil or more than 20% oil and moisture combined	4.2	–	III	29 929 973	0	E0	P003 LP02	PP20	IBC08	B3 B6
1386	SEED CAKE, containing vegetable oil (b) solvent extractions and expelled seeds, containing not more than 10% of oil and when the amount of moisture is higher than 10%, not more than 20% of oil and moisture combined	4.2	–	III	29 929 973	0	E0	P003 LP02	PP20	IBC08	B3 B6
△ 1387	WOOL WASTE, WET	4.2	–	III	123	0	E1	P410	–	–	–
1389	ALKALI METAL AMALGAM, LIQUID	4.3	–	I	182	0	E0	P402	PP31	–	–
1390	ALKALI METAL AMIDES	4.3	–	II	182	500 g	E2	P410	PP31 PP40	IBC07	B4 B21
1391	ALKALI METAL DISPERSION or ALKALINE EARTH METAL DISPERSION	4.3	–	I	182 183	0	E0	P402	PP31	–	–
1392	ALKALINE EARTH METAL AMALGAM, LIQUID	4.3	–	I	183	0	E0	P402	PP31	–	–
1393	ALKALINE EARTH METAL ALLOY, N.O.S.	4.3	–	II	183	500 g	E2	P410	PP31 PP40	IBC07	B4 B21
1394	ALUMINIUM CARBIDE	4.3	–	II	–	500 g	E2	P410	PP31 PP40	IBC07	B4 B21

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
	Tank instructions	Provisions					
(12)	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T3	TP33	F-A, S-J	Category A	SGG18 SG35	Black solid, absorbs moisture to become crystalline. Liable to ignite spontaneously. In contact with acids, evolves hydrogen sulphide, a toxic and flammable gas. Reacts violently with acids.	1382
–	T21	TP7 TP33	F-G, S-M	Category D H1	SGG15 SG26	Liable to ignite spontaneously in air. If shaken, may produce sparks. In contact with water, evolves hydrogen, a flammable gas.	1383
–	T3	TP33	F-A, S-J	Category E H1	–	White or grey crystalline powder. Liable to heat and ignite spontaneously in air and to evolve sulphur dioxide, an irritating gas.	1384
–	T3	TP33	F-A, S-J	Category A	SGG18 SG35	Black solid, absorbs moisture to become crystalline. Liable to ignite spontaneously. In contact with acids, evolves hydrogen sulphide, a toxic and flammable gas. Reacts violently with acids.	1385
–	BK2	–	F-A, S-J	Category E SW1 SW25 H1	–	Residue remaining after oil has been expelled mechanically from oil-bearing seeds. Used mainly as animal feed or fertilizer. The most common seed cakes include those derived from coconut (copra), cottonseed, groundnut (peanut), linseed, maize (hominy chop), niger seed, palm kernel, rape seed, rice bran, soya bean and sunflower seed and they may be shipped in the form of cake, flakes, pellets, meal, etc. May self-heat slowly and, if wet or containing an excessive proportion of unoxidized oil, ignite spontaneously. Before shipment, this cargo should be properly aged. The duration of ageing varies with the oil content. Smoking and the use of naked lights should be prohibited during loading and unloading and on entry to the cargo space(s) at any time.	1386
–	BK2	–	F-A, S-J	Category A SW1 SW25 H1	–	Residue remaining after oil has been extracted by a solvent process or expelled mechanically from oil-bearing seeds. Used mainly as animal feed or fertilizer. The most common seed cakes include those derived from coconut (copra), cottonseed, groundnut (peanut), linseed, maize (hominy chop), niger seed, palm kernel, rape seed, rice bran, soya bean and sunflower seed and they may be shipped in the form of cake, flakes, pellets, meal, etc. May self-heat slowly and, if wet or containing an excessive proportion of unoxidized oil, ignite spontaneously. The seed cake should be substantially free from flammable solvent. Before shipment, this cargo should be properly aged. The duration of ageing varies with the oil content. Smoking and the use of naked lights should be prohibited during loading and unloading and on entry to the cargo space(s) at any other time.	1386
–	–	–	F-A, S-J	Category A	–	Liable to ignite spontaneously in air according to moisture content.	1387
–	–	–	F-G, S-N	Category D H1	SGG7 SGG11 SG26 SG35	Silvery liquid, consisting of metal alloyed with mercury. Reacts with moisture, water or acids, evolving hydrogen, a flammable gas. When heated, evolves toxic vapours.	1389
–	T3	TP33	F-G, S-O	Category E SW2 H1	SG26 SG35	Small crystals. Decomposes in contact with water or acids, evolving ammonia vapour and producing highly caustic alkaline solutions.	1390
–	–	–	F-G, S-N	Category D H1	SG26 SG35	Finely divided alkali metal or alkaline earth metal, suspended in a liquid. Reacts violently with moisture, water or acids, evolving hydrogen, which may be ignited by the heat of the reaction.	1391
–	–	–	F-G, S-N	Category D H1	SGG7 SGG11 SG26 SG35	Consists of metal alloyed with mercury. Contains 2% to 10% alkaline earth metals and may contain up to 98% mercury. Reacts with moisture, water or acids, evolving hydrogen, a flammable gas. When heated, evolves toxic vapours.	1392
–	T3	TP33	F-G, S-N	Category E H1	SG26 SG35	When containing a substantial proportion of alkaline earth metals, readily decomposed by water and reacts violently with acids, evolving hydrogen, which may be ignited by the heat of the reaction.	1393
–	T3	TP33	F-G, S-N	Category A H1	SG26 SG35	Yellow crystals or powder. In contact with water, rapidly evolves methane, a flammable gas. Reacts violently with acids.	1394

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1395	ALUMINIUM FERROSILICON POWDER	4.3	6.1	II	932	500 g	E2	P410	PP31 PP40	IBC05	B21
1396	ALUMINIUM POWDER, UNCOATED	4.3	–	II	–	500 g	E2	P410	PP31 PP40	IBC07	B4 B21
1396	ALUMINIUM POWDER, UNCOATED	4.3	–	III	223	1 kg	E1	P410	PP31	IBC08	B4
1397	ALUMINIUM PHOSPHIDE	4.3	6.1	I	–	0	E0	P403	PP31	–	–
1398	ALUMINIUM SILICON POWDER, UNCOATED	4.3	–	III	37 223 932	1 kg	E1	P410	PP31	IBC08	B4
1400	BARIUM	4.3	–	II	–	500 g	E2	P410	PP31 PP40	IBC07	B4 B21
1401	CALCIUM	4.3	–	II	–	500 g	E2	P410	PP31 PP40	IBC07	B4 B21
△ 1402	CALCIUM CARBIDE	4.3	–	I	–	0	E0	P403	PP31	IBC04	B1
△ 1402	CALCIUM CARBIDE	4.3	–	II	–	500 g	E2	P410	PP31 PP40	IBC07	B4 B21
1403	CALCIUM CYANAMIDE with more than 0.1% calcium carbide	4.3	–	III	38 934	1 kg	E1	P410	PP31	IBC08	B4
1404	CALCIUM HYDRIDE	4.3	–	I	–	0	E0	P403	PP31	–	–
1405	CALCIUM SILICIDE	4.3	–	II	932	500 g	E2	P410	PP31 PP40	IBC07	B4 B21
1405	CALCIUM SILICIDE	4.3	–	III	223 932	1 kg	E1	P410	PP31	IBC08	B4
1407	CAESIUM	4.3	–	I	–	0	E0	P403	PP31	IBC04	B1
1408	FERROSILICON with 30% or more but less than 90% silicon	4.3	6.1	III	39 223 932	1 kg	E1	P003	PP20 PP100	IBC08	B4 B6

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T3 BK2	TP33	F-G, S-N	Category A SW2 SW5 H1	SG26 SG32 SG35 SG36	In contact with water, caustic alkalis or acids, evolves hydrogen, a flammable gas. Impurities may, under similar circumstances, produce phosphine and arsine, which are highly toxic gases.	1395
–	T3	TP33	F-G, S-O	Category A H1	SGG15 SG26 SG32 SG35 SG36	In contact with water, caustic alkalis or acids, evolves hydrogen, a flammable gas. When finely divided aluminium dust is scattered, it is easily ignited by naked lights, causing explosion. May explode when in contact with oxidizing substances. Reacts with liquid halogenated hydrocarbons.	1396
–	T1	TP33	F-G, S-O	Category A H1	SGG15 SG26 SG32 SG35 SG36	See entry above.	1396
–	–	–	F-G, S-N	Category E SW2 SW5 H1	SG26 SG35	Crystals or powder. Reacts with acids or decomposes slowly in contact with water or damp air, evolving phosphine, a spontaneously flammable and highly toxic gas. Reacts violently with oxidizing substances. Toxic if swallowed, by skin contact or by inhalation.	1397
–	T1 BK2	TP33	F-G, S-N	Category A SW2 SW5 H1	SGG15 SG26 SG32 SG35 SG36	In contact with water, caustic alkalis or acids, generates heat and evolves hydrogen, a flammable gas. May also evolve silanes, which are toxic and may ignite spontaneously.	1398
–	T3	TP33	F-G, S-O	Category E H1	SG26 SG35	Readily decomposes in water and reacts violently with acids, evolving hydrogen, which may be ignited by the heat of the reaction. Harmful if swallowed or by dust inhalation.	1400
–	T3	TP33	F-G, S-O	Category E H1	SG26 SG35	Readily decomposes in water and reacts violently with acids, evolving hydrogen, which may be ignited by the heat of the reaction.	1401
–	–	–	F-G, S-N	Category B H1	SG26 SG35	Solid. In contact with water, rapidly evolves acetylene, a highly flammable gas, which may be ignited by the heat of the reaction. Acetylene forms highly explosive compounds with salts of some heavy metals. Reacts violently with acids.	1402
–	T3	TP33	F-G, S-N	Category B H1	SG26 SG35	See entry above.	1402
–	T1	TP33	F-G, S-N	Category A H1	SG26 SG35	Powder or granules. Contains calcium carbide as an impurity. In contact with water, evolves ammonia and acetylene, which is a highly flammable gas. Reacts vigorously with acids.	1403
–	–	–	F-G, S-O	Category E H1	SG26 SG35	Solid. In contact with water, acids or moisture, evolves hydrogen, which may be ignited by the heat of the reaction.	1404
–	T3	TP33	F-G, S-N	Category B SW5 H1	SG26 SG35	In contact with water, evolves hydrogen, a flammable gas. If calcium carbide is present as an impurity, acetylene will also be evolved. In contact with acids, evolves silane, a spontaneously flammable gas.	1405
–	T1	TP33	F-G, S-N	Category B SW5 H1	SG26 SG35	See entry above.	1405
–	–	–	F-G, S-N	Category D H1	SG26 SG35	White, ductile, soft metal. Reacts violently with moisture, water or acids, evolving hydrogen, which may be ignited by the heat of the reaction. Highly reactive, sometimes with explosive effect.	1407
–	T1 BK2	TP33	F-G, S-N	Category A SW2 SW5 H1	SG26 SG35 SG36	In contact with moisture, water, alkalis or acids, may evolve hydrogen, a flammable gas, which may form explosive mixtures with air, and also arsine and phosphine, which are highly toxic gases. These gases are evolved in proportions which, under mechanically ventilated conditions, make the poison hazard by far predominant over the explosion hazard. The rate of gas evolution is greatest from freshly broken surfaces, so is liable to increase whenever the cargo is disturbed, such as during loading. Toxic if swallowed, by skin contact or by vapour inhalation.	1408

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1409	METAL HYDRIDES, WATER-REACTIVE, N.O.S.	4.3	–	I	274	0	E0	P403	PP31	–	–
1409	METAL HYDRIDES, WATER-REACTIVE, N.O.S.	4.3	–	II	274	500 g	E2	P410	PP31 PP40	IBC04	–
1410	LITHIUM ALUMINIUM HYDRIDE	4.3	–	I	–	0	E0	P403	PP31	–	–
1411	LITHIUM ALUMINIUM HYDRIDE, ETHEREAL	4.3	3	I	–	0	E0	P402	–	–	–
1413	LITHIUM BOROHYDRIDE	4.3	–	I	–	0	E0	P403	PP31	–	–
1414	LITHIUM HYDRIDE	4.3	–	I	–	0	E0	P403	PP31	–	–
1415	LITHIUM	4.3	–	I	–	0	E0	P403	PP31	IBC04	B1
1417	LITHIUM SILICON	4.3	–	II	–	500 g	E2	P410	PP31 PP40	IBC07	B4 B21
1418	MAGNESIUM POWDER or MAGNESIUM ALLOYS POWDER	4.3	4.2	I	–	0	E0	P403	PP31	–	–
1418	MAGNESIUM POWDER or MAGNESIUM ALLOYS POWDER	4.3	4.2	II	–	0	E2	P410	PP31 PP40	IBC05	B21
1418	MAGNESIUM POWDER or MAGNESIUM ALLOYS POWDER	4.3	4.2	III	223	0	E1	P410	PP31	IBC08	B4
1419	MAGNESIUM ALUMINIUM PHOSPHIDE	4.3	6.1	I	–	0	E0	P403	PP31	–	–
1420	POTASSIUM METAL ALLOYS, LIQUID	4.3	–	I	–	0	E0	P402	PP31	–	–
1421	ALKALI METAL ALLOY, LIQUID, N.O.S.	4.3	–	I	182	0	E0	P402	PP31	–	–
1422	POTASSIUM SODIUM ALLOYS, LIQUID	4.3	–	I	–	0	E0	P402	PP31	–	–
1423	RUBIDIUM	4.3	–	I	–	0	E0	P403	PP31	IBC04	B1

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F–G, S–L	Category D H1	SG26 SG35	Solids. React with water, moisture or acids, evolving hydrogen, which may be ignited by the heat of the reaction.	1409
–	T3	TP33	F–G, S–L	Category D H1	SG26 SG35	See entry above.	1409
–	–	–	F–G, S–M	Category E H1	SG26 SG35	White powder. In contact with water, acids or moisture, evolves hydrogen, which may be ignited by the heat of the reaction.	1410
–	–	–	F–G, S–M	Category D SW2 H1	SG26	Clear, colourless solution of lithium aluminium hydride in ether. Reacts readily with water, evolving hydrogen, a flammable gas. Evaporates readily to leave a residue which is easily ignited by a spark or friction.	1411
–	–	–	F–G, S–O	Category E H1	SG26 SG35	Crystalline, hygroscopic solid. In contact with water, acids or moisture, evolves hydrogen, which may be ignited by the heat of the reaction.	1413
–	–	–	F–G, S–N	Category E H1	SG26 SG35	Solid. In contact with water, acids or moisture, evolves hydrogen, which may be ignited by the heat of the reaction.	1414
–	T9	TP7 TP33	F–G, S–N	Category E H1	SG26 SG35	White, ductile, soft metal. Floats on water. Readily decomposes in water and reacts violently with acids, evolving hydrogen, which may be ignited by the heat of the reaction. For fire-fighting purposes, dry lithium chloride powder, dry sodium chloride or graphite powder should be carried on board when this substance is transported.	1415
–	T3	TP33	F–G, S–N	Category A SW5 H1	SG26	Shiny lumps, crystals or powder, with sharp irritating odour. Reacts readily with water, evolving hydrogen and silane, flammable gases. Enough heat may be generated to ignite the gas mixture in air.	1417
–	–	–	F–G, S–O	Category A H1	SGG15 SG26 SG32 SG35	In contact with moisture, water or acids, evolves hydrogen, a flammable gas. Magnesium dust is easily ignited, causing explosion. May explode when in contact with oxidizing substances. For fire-fighting purposes, dry lithium chloride powder, dry sodium chloride or graphite powder should be carried on board when this substance is transported. Reacts with liquid halogenated hydrocarbons.	1418
–	T3	TP33	F–G, S–O	Category A H1	SGG15 SG26 SG32 SG35	See entry above.	1418
–	T1	TP33	F–G, S–O	Category A H1	SGG15 SG26 SG32 SG35	See entry above.	1418
–	–	–	F–G, S–N	Category E SW2 SW5 H1	SG26 SG35	Solid. Reacts with acids or decomposes slowly in contact with water or damp air, evolving phosphine, a spontaneously flammable and highly toxic gas. Reacts violently with oxidizing substances. Toxic if swallowed, by skin contact or by inhalation.	1419
–	–	–	F–G, S–L	Category D H1	SG26 SG35	Soft, silvery metal liquid. Floats on water. Reacts violently with moisture, water or acids, evolving hydrogen, which may be ignited by the heat of the reaction. Highly reactive, sometimes with explosive effect.	1420
–	–	–	F–G, S–L	Category D H1	SG26 SG35	Flows like mercury at ordinary temperatures. Not volatile. Reacts violently with moisture, water or acids, evolving hydrogen, a flammable gas, and developing considerable heat, which may ignite the gas.	1421
–	T9	TP3 TP7 TP31	F–G, S–L	Category D H1	SG26 SG35	Soft, silvery metal liquid. Floats on water. Reacts violently with moisture, water or acids, evolving hydrogen, which may be ignited by the heat of the reaction. Highly reactive, sometimes with explosive effect.	1422
–	–	–	F–G, S–N	Category D H1	SG26 SG35	Silvery-white, ductile, soft metal. Melting point: 39°C. Floats on water. Reacts violently with moisture, water or acids, evolving hydrogen, which may be ignited by the heat of the reaction. Highly reactive, sometimes with explosive effect.	1423

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1426	SODIUM BOROHYDRIDE	4.3	–	I	–	0	E0	P403	PP31	–	–
1427	SODIUM HYDRIDE	4.3	–	I	–	0	E0	P403	PP31	–	–
1428	SODIUM	4.3	–	I	–	0	E0	P403	PP31	IBC04	B1
△ 1431	SODIUM METHYLATE	4.2	8	II	–	0	E2	P410	PP31	IBC05	B21
1432	SODIUM PHOSPHIDE	4.3	6.1	I	–	0	E0	P403	PP31	–	–
1433	STANNIC PHOSPHIDE	4.3	6.1	I	–	0	E0	P403	PP31	–	–
1435	ZINC ASHES	4.3	–	III	223 935	1 kg	E1	P002	PP100	IBC08	B4
1436	ZINC POWDER or ZINC DUST	4.3	4.2	I	–	0	E0	P403	PP31	–	–
1436	ZINC POWDER or ZINC DUST	4.3	4.2	II	–	0	E2	P410	PP31 PP40	IBC07	B21
1436	ZINC POWDER or ZINC DUST	4.3	4.2	III	223	0	E1	P410	PP31	IBC08	B4
1437	ZIRCONIUM HYDRIDE	4.1	–	II	–	1 kg	E2	P410	PP31 PP40	IBC04	–
1438	ALUMINIUM NITRATE	5.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
1439	AMMONIUM DICHROMATE	5.1	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
1442	AMMONIUM PERCHLORATE	5.1	–	II	152	1 kg	E2	P002	–	IBC06	B21
1444	AMMONIUM PERSULPHATE	5.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F–G, S–O	Category E H1	SG26 SG35	Crystalline powder. In contact with water, acids or moisture, evolves hydrogen, which may be ignited by the heat of the reaction.	1426
–	–	–	F–G, S–O	Category E H1	SG26 SG35	White powder. In contact with water, acids or moisture, evolves hydrogen, which may be ignited by the heat of the reaction.	1427
–	T9	TP7 TP33	F–G, S–N	Category D H1	SG26 SG35	White, ductile, soft metal. Floats on water. Reacts violently with moisture, water or acids, evolving hydrogen, which may be ignited by the heat of the reaction. Highly reactive, sometimes with explosive effect.	1428
–	T3	TP33	F–A, S–L	Category B	SGG18 SG35	White, amorphous, free-flowing, hygroscopic powder. Decomposed by water to form methanol, a flammable liquid, which may be ignited by the heat of the reaction. Causes burns to skin, eyes and mucous membranes.	1431
–	–	–	F–G, S–N	Category E SW2 SW5 H1	SG26 SG35	Solid. Reacts with acids or decomposes slowly in contact with water or damp air, evolving phosphine, a spontaneously flammable and highly toxic gas. Reacts violently with oxidizing substances. Toxic if swallowed, by skin contact or by inhalation.	1432
–	–	–	F–G, S–N	Category E SW2 SW5 H1	SG26 SG35	Silver-white solid. Reacts with acids or decomposes slowly in contact with water or damp air, evolving phosphine, a spontaneously flammable and highly toxic gas. Reacts violently with oxidizing substances. Toxic if swallowed, by skin contact or by inhalation.	1433
–	T1 BK2	TP33	F–G, S–O	Category A H1	SGG7 SGG15 SG26	In contact with moisture or water, liable to evolve dangerous gases, including hydrogen, a flammable gas.	1435
–	–	–	F–G, S–O	Category A H1	SGG7 SGG15 SG26 SG35 SG36	In contact with water, alkalis or acids, evolves hydrogen, a flammable gas. Zinc dust is easily ignited, causing explosion. May explode when in contact with oxidizing substances.	1436
–	T3	TP33	F–G, S–O	Category A H1	SGG7 SGG15 SG26 SG35 SG36	See entry above.	1436
–	T1	TP33	F–G, S–O	Category A H1	SGG7 SGG15 SG26 SG35 SG36	See entry above.	1436
–	T3	TP33	F–A, S–G	Category E	–	Black coloured powder.	1437
–	T1 BK2	TP33	F–A, S–Q	Category A	–	Colourless or white crystals. Deliquescent. Soluble in water. Slightly corrosive. Mixtures with combustible material are readily ignited and may burn fiercely. Harmful if swallowed.	1438
–	T3	TP33	F–H, S–Q	Category A	SGG2 SG75	Orange needles. Soluble in water. Mixtures with combustible material are readily ignited and may burn fiercely. May ignite spontaneously in contact with strong acids. Harmful if swallowed.	1439
–	T3	TP33	F–H, S–Q	Category E	SGG2 SGG13 SG49 SG60	White crystals or powder. Soluble in water. When heated, decomposes readily, even with explosion, evolving toxic fumes. Forms highly explosive mixtures with combustible material or powdered metals. These mixtures are sensitive to friction and are liable to ignite.	1442
–	T1	TP33	F–A, S–Q	Category A	SGG2	White crystals or powder. Soluble in water. Mixtures with combustible material are sensitive to friction and are liable to ignite.	1444

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1445	BARIUM CHLORATE, SOLID	5.1	6.1	II	–	1 kg	E2	P002	–	IBC06	B21
1446	BARIUM NITRATE	5.1	6.1	II	–	1 kg	E2	P002	–	IBC08	B4 B21
1447	BARIUM PERCHLORATE, SOLID	5.1	6.1	II	–	1 kg	E2	P002	–	IBC06	B21
1448	BARIUM PERMANGANATE	5.1	6.1	II	–	1 kg	E2	P002	–	IBC06	B21
1449	BARIUM PEROXIDE	5.1	6.1	II	–	1 kg	E2	P002	PP100	IBC06	B21
1450	BROMATES, INORGANIC, N.O.S.	5.1	–	II	274 350	1 kg	E2	P002	–	IBC08	B4 B21
1451	CAESIUM NITRATE	5.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
1452	CALCIUM CHLORATE	5.1	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
1453	CALCIUM CHLORITE	5.1	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
1454	CALCIUM NITRATE	5.1	–	III	208 967	5 kg	E1	P002 LP02	–	IBC08	B3
1455	CALCIUM PERCHLORATE	5.1	–	II	–	1 kg	E2	P002	–	IBC06	B21

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T3	TP33	F-H, S-Q	Category A	SGG4 SG38 SG49	Colourless crystals or powder. Reacts vigorously with sulphuric acid. Reacts fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion. Toxic if swallowed, by skin contact or by dust inhalation.	1445
–	T3	TP33	F-A, S-Q	Category A	–	White crystals. Mixtures with combustible material are readily ignited and may burn fiercely. Toxic if swallowed, by skin contact or by dust inhalation.	1446
–	T3	TP33	F-H, S-Q	Category A	SGG13 SG38 SG49	White crystals or powder, soluble in water. Reacts vigorously with sulphuric acid. Reacts fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion. Toxic if swallowed, by skin contact or by dust inhalation.	1447
–	T3	TP33	F-H, S-Q	Category D	SGG14 SG38 SG49 SG60	Brownish-violet crystals. Soluble in water. Reacts vigorously with sulphuric acid and hydrogen peroxide. Reacts fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion. Toxic if swallowed, by skin contact or by dust inhalation.	1448
–	T3	TP33	F-G, S-Q	Category C H1	SGG16 SG16 SG26 SG35 SG59	White powder. Particularly if wetted with small quantities of water, a mixture with combustible material may ignite following impact or friction. When involved in a fire, or in contact with water or acids, decomposes, evolving oxygen. Toxic if swallowed, by skin contact or by dust inhalation.	1449
–	T3	TP33	F-H, S-Q	Category A	SGG3 SG38 SG49	Solids. React vigorously with sulphuric acid. React fiercely with cyanides when heated or by friction, and may form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion. Transport of ammonium bromate and mixtures of a bromate with an ammonium salt is prohibited.	1450
–	T1	TP33	F-A, S-Q	Category A	–	White powder. Mixtures with combustible material are readily ignited and may burn fiercely. Harmful if swallowed.	1451
–	T3	TP33	F-H, S-Q	Category A	SGG4 SG38 SG49	White to yellowish deliquescent crystals. Soluble in water. Reacts vigorously with sulphuric acid. Reacts fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion.	1452
–	T3	TP33	F-H, S-Q	Category A	SGG5 SG38 SG49	White deliquescent crystals. Soluble in water. Sensitive to heat. Reacts vigorously with sulphuric acid. Reacts fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion.	1453
–	T1 BK2 BK3	TP33	F-A, S-Q	Category A SW23	–	White deliquescent solid, soluble in water. Mixtures with combustible material are readily ignited and may burn fiercely. Harmful if swallowed.	1454
–	T3	TP33	F-H, S-Q	Category A	SGG13 SG38 SG49	White crystals or powder. Reacts vigorously with sulphuric acid. Reacts fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion.	1455

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1456	CALCIUM PERMANGANATE	5.1	–	II	–	1 kg	E2	P002	–	IBC06	B21
1457	CALCIUM PEROXIDE	5.1	–	II	–	1 kg	E2	P002	PP100	IBC06	B21
1458	CHLORATE AND BORATE MIXTURE	5.1	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
1458	CHLORATE AND BORATE MIXTURE	5.1	–	III	223	5 kg	E1	P002 LP02	–	IBC08	B3
1459	CHLORATE AND MAGNESIUM CHLORIDE MIXTURE, SOLID	5.1	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
1459	CHLORATE AND MAGNESIUM CHLORIDE MIXTURE, SOLID	5.1	–	III	223	5 kg	E1	P002 LP02	–	IBC08	B3
1461	CHLORATES, INORGANIC, N.O.S.	5.1	–	II	274 351	1 kg	E2	P002	–	IBC06	B21
1462	CHLORITES, INORGANIC, N.O.S.	5.1	–	II	274 352	1 kg	E2	P002	–	IBC06	B21
1463	CHROMIUM TRIOXIDE, ANHYDROUS	5.1	6.1/8	II	–	1 kg	E2	P002	PP31	IBC08	B4 B21
1465	DIDYMIUM NITRATE	5.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
1466	FERRIC NITRATE	5.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
1467	GUANIDINE NITRATE	5.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
1469	LEAD NITRATE	5.1	6.1 P	II	–	1 kg	E2	P002	–	IBC08	B4 B21

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T3	TP33	F-H, S-Q	Category D	SGG14 SG38 SG49 SG60	Violet deliquescent crystals. Soluble in water. Occurs in hydrated form. Reacts vigorously with sulphuric acid and hydrogen peroxide. Reacts fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion.	1456
–	T3	TP33	F-G, S-Q	Category C H1	SGG16 SG16 SG26 SG35 SG59	White or yellowish powder. Particularly if wetted with small quantities of water, a mixture with combustible material may ignite following impact or friction. When involved in a fire, or on contact with water or acids, decomposes, evolving oxygen.	1457
–	T3	TP33	F-H, S-Q	Category A	SGG4 SG38 SG49	Solid. Reacts vigorously with sulphuric acid. Reacts fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion.	1458
–	T1	TP33	F-H, S-Q	Category A	SGG4 SG38 SG49	See entry above.	1458
–	T3	TP33	F-H, S-Q	Category A	SGG4 SG38 SG49	Deliquescent solid. Reacts vigorously with sulphuric acid. Reacts fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion.	1459
–	T1	TP33	F-H, S-Q	Category A	SGG4 SG38 SG49	See entry above.	1459
–	T3	TP33	F-H, S-Q	Category A	SGG4 SG38 SG49	Solids. React vigorously with sulphuric acid. React fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion. Transport of ammonium chlorate and mixtures of a chlorate with an ammonium salt is prohibited.	1461
–	T3	TP33	F-H, S-Q	Category A	SGG5 SG38 SG49	Solids. React vigorously with sulphuric acid. React fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion. Transport of ammonium chlorite and mixtures of a chlorite with an ammonium salt is prohibited.	1462
–	T3	TP33	F-A, S-Q	Category A	SG6 SG16 SG19	Dark purplish-red deliquescent crystals. Soluble in water. Mixtures with combustible material may ignite spontaneously and may even explode. In the presence of moisture, corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	1463
–	T1	TP33	F-A, S-Q	Category A	–	Hygroscopic solid. Mixture of neodymium nitrate and praseodymium nitrate. Mixtures with combustible material are readily ignited and may burn fiercely. Harmful if swallowed.	1465
–	T1	TP33	F-A, S-Q	Category A	–	Violet deliquescent crystals. Soluble in water. Melting point: 47°C. Mixtures with combustible material are readily ignited and may burn fiercely. Solutions in water are slightly corrosive to most metals. Harmful if swallowed.	1466
–	T1	TP33	F-A, S-Q	Category A	SG45	White granules. Soluble in water. Mixtures with combustible material are sensitive to friction and are liable to ignite. NITROGUANIDINE is a different substance.	1467
–	T3	TP33	F-A, S-Q	Category A	SGG7 SGG9	White crystals. Soluble in water. Mixtures with combustible material are readily ignited and may burn fiercely. Toxic if swallowed, by skin contact or by dust inhalation.	1469

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1470	LEAD PERCHLORATE, SOLID	5.1	6.1 P	II	–	1 kg	E2	P002	–	IBC06	B21
1471	LITHIUM HYPOCHLORITE, DRY or LITHIUM HYPOCHLORITE MIXTURE	5.1	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
1471	LITHIUM HYPOCHLORITE, DRY or LITHIUM HYPOCHLORITE MIXTURE	5.1	–	III	223	5 kg	E1	P002 LP02	–	IBC08	B3
1472	LITHIUM PEROXIDE	5.1	–	II	–	1 kg	E2	P002	PP100	IBC06	B21
1473	MAGNESIUM BROMATE	5.1	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
1474	MAGNESIUM NITRATE	5.1	–	III	332 967	5 kg	E1	P002 LP02	–	IBC08	B3
1475	MAGNESIUM PERCHLORATE	5.1	–	II	–	1 kg	E2	P002	–	IBC06	B21
1476	MAGNESIUM PEROXIDE	5.1	–	II	–	1 kg	E2	P002	PP100	IBC06	B21
1477	NITRATES, INORGANIC, N.O.S.	5.1	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
1477	NITRATES, INORGANIC, N.O.S.	5.1	–	III	223	5 kg	E1	P002 LP02	–	IBC08	B3
1479	OXIDIZING SOLID, N.O.S.	5.1	–	I	274 900	0	E0	P503	–	IBC05	B1
1479	OXIDIZING SOLID, N.O.S.	5.1	–	II	274 900	1 kg	E2	P002	–	IBC08	B4 B21
1479	OXIDIZING SOLID, N.O.S.	5.1	–	III	223 274 900	5 kg	E1	P002 LP02	–	IBC08	B3

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T3	TP33	F-H, S-Q	Category A	SGG7 SGG9 SGG13 SG38 SG49	White crystals or powder. Soluble in water. Reacts vigorously with sulphuric acid. Reacts fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion. Toxic if swallowed, by skin contact or by dust inhalation.	1470
–	T3	TP33	F-H, S-Q	Category A SW1 SW8	SGG8 SG35 SG38 SG49 SG53 SG60	White powder with pungent odour. Soluble in water. Critical ambient temperature of decomposition may be as low as 60°C. May cause fire in contact with organic material or ammonium compounds. Reacts with acids, evolving chlorine, an irritating, corrosive and toxic gas. In the presence of moisture, corrosive to most metals. Dust irritates mucous membranes.	1471
–	T1	TP33	F-H, S-Q	Category A SW1 SW8	SGG8 SG35 SG38 SG49 SG53 SG60	See entry above.	1471
–	T3	TP33	F-G, S-Q	Category C H1	SGG16 SG16 SG26 SG35 SG59	White powder. Soluble in water. Solution in water is an alkaline corrosive liquid. Particularly if wetted with small quantities of water, a mixture with combustible material may ignite following impact or friction. When involved in a fire, or in contact with water or acids, decomposes, evolving oxygen.	1472
–	T3	TP33	F-H, S-Q	Category A	SGG3 SG38 SG49	White deliquescent crystals or crystalline powder. Soluble in water. Reacts vigorously with sulphuric acid. Reacts fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion.	1473
–	T1 BK2 BK3	TP33	F-A, S-Q	Category A SW23	–	White deliquescent crystals, soluble in water. Mixtures with combustible material are readily ignited and may burn fiercely. Harmful if swallowed.	1474
–	T3	TP33	F-H, S-Q	Category A	SGG13 SG38 SG49	White crystals or powder. Reacts vigorously with sulphuric acid. Reacts fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion.	1475
–	T3	TP33	F-G, S-Q	Category C H1	SGG16 SG16 SG26 SG35 SG59	White powder. Particularly if wetted with small quantities of water, a mixture with combustible material may ignite following impact or friction. When involved in a fire, or in contact with water or acids, decomposes, evolving oxygen. Harmful if swallowed.	1476
–	T3	TP33	F-A, S-Q	Category A	SG38 SG49	Solids. Solid mixtures with combustible material are readily ignited and may burn fiercely. Harmful if swallowed.	1477
–	T1	TP33	F-A, S-Q	Category A	SG38 SG49	See entry above.	1477
–	–	–	F-A, S-Q	Category D	SG38 SG49 SG60 SG61	–	1479
–	T3	TP33	F-A, S-Q	Category B	SG38 SG49 SG60 SG61	–	1479
–	T1	TP33	F-A, S-Q	Category B	SG38 SG49 SG60 SG61	–	1479

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1481	PERCHLORATES, INORGANIC, N.O.S.	5.1	–	II	–	1 kg	E2	P002	–	IBC06	B21
1481	PERCHLORATES, INORGANIC, N.O.S.	5.1	–	III	223	5 kg	E1	P002 LP02	–	IBC08	B3
1482	PERMANGANATES, INORGANIC, N.O.S.	5.1	–	II	274 353	1 kg	E2	P002	–	IBC06	B21
1482	PERMANGANATES, INORGANIC, N.O.S.	5.1	–	III	223 274 353	5 kg	E1	P002	–	IBC08	B3
1483	PEROXIDES, INORGANIC, N.O.S.	5.1	–	II	–	1 kg	E2	P002	PP100	IBC06	B21
1483	PEROXIDES, INORGANIC, N.O.S.	5.1	–	III	223	5 kg	E1	P002 LP02	PP100 L3	IBC08	B4
1484	POTASSIUM BROMATE	5.1	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
1485	POTASSIUM CHLORATE	5.1	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
1486	POTASSIUM NITRATE	5.1	–	III	964 967	5 kg	E1	P002 LP02	–	IBC08	B3
1487	POTASSIUM NITRATE AND SODIUM NITRITE MIXTURE	5.1	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
1488	POTASSIUM NITRITE	5.1	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
1489	POTASSIUM PERCHLORATE	5.1	–	II	–	1 kg	E2	P002	–	IBC06	B21

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T3	TP33	F-H, S-Q	Category A	SGG13 SG38 SG49	Solids. React vigorously with sulphuric acid. React fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion.	1481
–	T1	TP33	F-H, S-Q	Category A	SGG13 SG38 SG49	See entry above.	1481
–	T3	TP33	F-H, S-Q	Category D	SGG14 SG38 SG49 SG60	Solids. React vigorously with sulphuric acid. React fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion. Transport of ammonium permanganate and mixtures of a permanganate with an ammonium salt is prohibited.	1482
–	T1	TP33	F-H, S-Q	Category D	SGG14 SG38 SG49 SG60	See entry above.	1482
–	T3	TP33	F-G, S-Q	Category C H1	SGG16 SG16 SG26 SG35 SG59	Particularly if wetted with small quantities of water, a mixture with combustible material may ignite following impact or friction. When involved in a fire, or in contact with water or acids, decomposes, evolving oxygen.	1483
–	T1	TP33	F-G, S-Q	Category C H1	SGG16 SG16 SG26 SG35 SG59	See entry above.	1483
–	T3	TP33	F-H, S-Q	Category A	SGG3 SG38 SG49	White crystals or powder. Soluble in water. Reacts vigorously with sulphuric acid. Reacts fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible materials, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion.	1484
–	T3	TP33	F-H, S-Q	Category A	SGG4 SG38 SG49	White crystals or powder. Soluble in water. Reacts vigorously with sulphuric acid. Reacts fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion.	1485
–	T1 BK2 BK3	TP33	F-A, S-Q	Category A SW23	–	White crystals or powder. Soluble in water. Mixtures with combustible material are readily ignited and may burn fiercely. Harmful if swallowed.	1486
–	T3	TP33	F-A, S-Q	Category A	SGG12 SG38 SG49	Deliquescent solid. Soluble in water. May cause fire in contact with organic material such as wood, cotton or straw. Mixtures with ammonium compounds or cyanides may explode. Harmful if swallowed. May be shipped in the form of fused solid block or lumps.	1487
–	T3	TP33	F-A, S-Q	Category A	SGG12 SG38 SG49	White or slightly yellowish deliquescent crystals or sticks. Soluble in water. Mixtures with combustible material are readily ignited and may burn fiercely. Mixtures with ammonium compounds or cyanides may explode. Harmful if swallowed.	1488
–	T3	TP33	F-H, S-Q	Category A	SGG13 SG38 SG49	White crystals or powder, soluble in water. Reacts vigorously with sulphuric acid. Reacts fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion.	1489

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1490	POTASSIUM PERMANGANATE	5.1	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
1491	POTASSIUM PEROXIDE	5.1	–	I	–	0	E0	P503	–	IBC06	B1
1492	POTASSIUM PERSULPHATE	5.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
1493	SILVER NITRATE	5.1	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
1494	SODIUM BROMATE	5.1	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
1495	SODIUM CHLORATE	5.1	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
1496	SODIUM CHLORITE	5.1	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
1498	SODIUM NITRATE	5.1	–	III	964 967	5 kg	E1	P002 LP02	–	IBC08	B3
1499	SODIUM NITRATE AND POTASSIUM NITRATE MIXTURE	5.1	–	III	964 967	5 kg	E1	P002 LP02	–	IBC08	B3
1500	SODIUM NITRITE	5.1	6.1	III	–	5 kg	E1	P002	–	IBC08	B3
1502	SODIUM PERCHLORATE	5.1	–	II	–	1 kg	E2	P002	–	IBC06	B21

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T3	TP33	F-H, S-Q	Category D	SGG14 SG38 SG49 SG60	Dark purple crystals or powder. Soluble in water. Reacts vigorously with sulphuric acid and hydrogen peroxide. Reacts fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion.	1490
–	–	–	F-G, S-Q	Category C H1	SGG16 SG16 SG26 SG35 SG59	Yellow powder. Particularly if wetted with small quantities of water, a mixture with combustible material may ignite, following impact or friction. When involved in a fire, or in contact with water or acids, decomposes, evolving oxygen. Highly irritating to skin, eyes and mucous membranes.	1491
–	T1	TP33	F-A, S-Q	Category A	SG39 SG49	White crystals or powder. Soluble in water. Mixtures with combustible material are sensitive to friction and are liable to ignite. Reacts fiercely with cyanides when heated or by friction. May form explosive mixture with powdered metals or ammonium compounds.	1492
–	T3	TP33	F-A, S-Q	Category A	SGG7	Colourless crystals. Soluble in water. Mixtures with combustible material are readily ignited and may burn fiercely. Harmful if swallowed. Irritating to skin and mucous membranes.	1493
–	T3	TP33	F-H, S-Q	Category A	SGG3 SG38 SG49	White deliquescent crystals. Soluble in water. Reacts vigorously with sulphuric acid. Reacts fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion.	1494
–	T3 BK2	TP33	F-H, S-Q	Category A	SGG4 SG38 SG49	Colourless deliquescent crystals. Soluble in water. Reacts vigorously with sulphuric acid. Reacts fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion.	1495
–	T3	TP33	F-H, S-Q	Category A	SGG5 SG38 SG49	Colourless deliquescent solid. Soluble in water. Reacts vigorously with sulphuric acid. Reacts fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion.	1496
–	T1 BK2 BK3	TP33	F-A, S-Q	Category A SW23	–	Colourless deliquescent solid. Soluble in water. Mixtures with combustible material are readily ignited and may burn fiercely. Harmful if swallowed. This substance in the impure form is known as Chile Saltpetre.	1498
–	T1 BK2 BK3	TP33	F-A, S-Q	Category A SW23	–	Colourless, hygroscopic solid. Soluble in water. Mixtures with combustible material are readily ignited and may burn fiercely. Harmful if swallowed. Mixture prepared as a fertilizer.	1499
–	T1	TP33	F-A, S-Q	Category A	SGG12 SG38 SG49	Colourless deliquescent solid. Soluble in water. Mixtures with combustible material are readily ignited and may burn fiercely. Mixtures with ammonium compounds or cyanides may explode. Decomposes if heated, giving off toxic nitrous fumes and gases supporting combustion. Harmful if swallowed or by dust inhalation.	1500
–	T3	TP33	F-H, S-Q	Category A	SGG13 SG38 SG49	Colourless crystals or powder, soluble in water. Reacts vigorously with sulphuric acid. Reacts fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion.	1502

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1503	SODIUM PERMANGANATE	5.1	–	II	–	1 kg	E2	P002	–	IBC06	B21
1504	SODIUM PEROXIDE	5.1	–	I	–	0	E0	P503	–	IBC05	B1
1505	SODIUM PERSULPHATE	5.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
1506	STRONTIUM CHLORATE	5.1	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
1507	STRONTIUM NITRATE	5.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
1508	STRONTIUM PERCHLORATE	5.1	–	II	–	1 kg	E2	P002	–	IBC06	B21
1509	STRONTIUM PEROXIDE	5.1	–	II	–	1 kg	E2	P002	PP100	IBC06	B21
1510	TETRANITROMETHANE	6.1	5.1	I	354	0	E0	P602	–	–	–
1511	UREA HYDROGEN PEROXIDE	5.1	8	III	–	5 kg	E1	P002	–	IBC08	B3
1512	ZINC AMMONIUM NITRITE	5.1	–	–	900	–	–	–	–	–	–
1513	ZINC CHLORATE	5.1	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
1514	ZINC NITRATE	5.1	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
1515	ZINC PERMANGANATE	5.1	–	II	–	1 kg	E2	P002	–	IBC06	B21

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T3	TP33	F-H, S-Q	Category D	SGG14 SG38 SG49 SG60	Red crystals or powder. Soluble in water. Reacts vigorously with sulphuric acid and hydrogen peroxide. Reacts fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion.	1503
–	–	–	F-G, S-Q	Category C H1	SGG16 SG16 SG26 SG35 SG59	Pale yellow coarse powder or granules. Particularly if wetted with small quantities of water, a mixture with combustible material may ignite, following impact or friction. When involved in a fire, or in contact with water or acids, decomposes, evolving oxygen. Highly irritating to skin, eyes and mucous membranes.	1504
–	T1	TP33	F-A, S-Q	Category A	SG39 SG49	Colourless crystals or powder. Soluble in water. Mixtures with combustible material are sensitive to friction and are liable to ignite. Reacts fiercely with cyanides when heated or by friction. May form explosive mixture with powdered metals or ammonium compounds.	1505
–	T3	TP33	F-H, S-Q	Category A	SGG4 SG38 SG49	Colourless deliquescent solid, soluble in water. Reacts vigorously with sulphuric acid. Reacts fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion.	1506
–	T1	TP33	F-A, S-Q	Category A	–	Colourless solid. Soluble in water. Mixtures with combustible material are readily ignited and may burn fiercely. Harmful if swallowed.	1507
–	T3	TP33	F-H, S-Q	Category A	SGG13 SG38 SG49	Colourless crystals or powder, soluble in water. Reacts vigorously with sulphuric acid. Reacts fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion.	1508
–	T3	TP33	F-G, S-Q	Category C H1	SGG16 SG16 SG26 SG35 SG59	Colourless powder. Particularly if wetted with small quantities of water, a mixture with combustible materials may ignite following impact or friction. When involved in a fire, or in contact with water or acids, decomposes, evolving oxygen.	1509
–	–	–	F-H, S-Q	Category D SW2	SG16	Colourless liquid with a pungent odour. Freezing point: 12.5°C. Insoluble in water. Mixtures with combustible material are readily ignited, burn fiercely and may also explode by friction or shock. Highly toxic if swallowed, by skin contact or by inhalation.	1510
–	T1	TP33	F-A, S-Q	Category A H1	–	White crystals or powder. Soluble in water. Mixtures with combustible material are sensitive to friction and are liable to ignite. Irritating to skin, eyes and mucous membranes.	1511
–	–	–	–	–		Transport is prohibited.	1512
–	T3	TP33	F-H, S-Q	Category A	SGG4 SGG7 SG38 SG49	Colourless or yellowish crystals. Soluble in water. Reacts vigorously with sulphuric acid. Reacts fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion.	1513
–	T3	TP33	F-H, S-Q	Category A	SGG7	Colourless solid. Soluble in water. Melting point: 36°C. Mixtures with combustible material are readily ignited and may burn fiercely. Solutions in water are slightly corrosive. Harmful if swallowed.	1514
–	T3	TP33	F-H, S-Q	Category D	SGG7 SGG14 SG38 SG49 SG60	Violet-brown or black crystals or powder. Soluble in water. Reacts vigorously with sulphuric acid and hydrogen peroxide. Reacts fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion.	1515

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1516	ZINC PEROXIDE	5.1	–	II	–	1 kg	E2	P002	PP100	IBC06	B21
1517	ZIRCONIUM PICRAMATE, WETTED with not less than 20% water, by mass	4.1	–	I	28	0	E0	P406	PP26 PP31	–	–
△ 1541	ACETONE CYANOHYDRIN, STABILIZED	6.1	– P	I	354	0	E0	P602	–	–	–
1544	ALKALOIDS, SOLID, N.O.S. or ALKALOIDS SALTS, SOLID, N.O.S.	6.1	–	I	43 274	0	E5	P002	–	IBC07	B1
1544	ALKALOIDS, SOLID, N.O.S. or ALKALOIDS SALTS, SOLID, N.O.S.	6.1	–	II	43 274	500 g	E4	P002	–	IBC08	B4 B21
1544	ALKALOIDS, SOLID, N.O.S. or ALKALOIDS SALTS, SOLID, N.O.S.	6.1	–	III	43 223 274	5 kg	E1	P002 LP02	–	IBC08	B3
1545	ALLYL ISOTHIOCYANATE, STABILIZED	6.1	3	II	386	100 mL	E0	P001	–	IBC02	–
1546	AMMONIUM ARSENATE	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
1547	ANILINE	6.1	– P	II	279	100 mL	E4	P001	–	IBC02	–
1548	ANILINE HYDROCHLORIDE	6.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
1549	ANTIMONY COMPOUND, INORGANIC, SOLID, N.O.S.	6.1	–	III	45 274	5 kg	E1	P002 LP02	–	IBC08	B3
1550	ANTIMONY LACTATE	6.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
1551	ANTIMONY POTASSIUM TARTRATE	6.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
1553	ARSENIC ACID, LIQUID	6.1	–	I	–	0	E5	P001	PP31	–	–
1554	ARSENIC ACID, SOLID	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
1555	ARSENIC BROMIDE	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
1556	ARSENIC COMPOUND, LIQUID, N.O.S. inorganic, including: Arsenates, n.o.s., Arsenites, n.o.s., and Arsenic sulphides, n.o.s.	6.1	–	I	43 274	0	E5	P001	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T3	TP33	F-G, S-Q	Category C H1	SGG7 SGG16 SG16 SG26 SG35 SG59	White powder. Particularly if wetted with small quantities of water, a mixture with combustible material may ignite following impact or friction. When involved in a fire, or in contact with water or acids, decomposes, evolving oxygen.	1516
–	–	–	F-B, S-J	Category D	SG7 SG30	Desensitized explosive. Highly explosive in the dry state or if insufficiently wetted. May react violently in contact with heavy metals or their salts.	1517
–	T20	TP2 TP13	F-A, S-A	Category D SW1 SW2	SGG6 SG35 SG36	Colourless to amber liquid evolving toxic vapour. Miscible with water. Unstable in contact with acids and alkalis, evolving hydrogen cyanide, a highly toxic and flammable gas. Highly toxic if swallowed, by skin contact or by inhalation.	1541
–	T6	TP33	F-A, S-A	Category A	–	A wide range of toxic solids, generally of vegetable origin. Toxic if swallowed, by skin contact or by inhalation.	1544
–	T3	TP33	F-A, S-A	Category A	–	See entry above.	1544
–	T1	TP33	F-A, S-A	Category A	–	See entry above.	1544
–	T7	TP2	F-E, S-D	Category D SW1 SW2	–	Colourless liquid evolving toxic vapour which is irritating and causes tears. Flashpoint: 46°C c.c. Toxic if swallowed, by skin contact or by inhalation.	1545
–	T3	TP33	F-A, S-A	Category A	SGG2 SG36	White powder or crystals. Soluble in water. Reacts with alkalis, evolving ammonia gas. Toxic if swallowed, by skin contact or by dust inhalation.	1546
–	T7	TP2	F-A, S-A	Category A SW2	SG35	Colourless, oily, volatile liquid. Reacts with acids. Toxic if swallowed, by skin contact or by inhalation.	1547
–	T1	TP33	F-A, S-A	Category A	–	White, crystalline solid. Soluble in water. Decomposes to aniline in contact with alkalis. Toxic if swallowed, by skin contact or by inhalation.	1548
–	T1	TP33	F-A, S-A	Category A	–	A wide range of toxic solids. Toxic if swallowed, by skin contact or by inhalation.	1549
–	T1	TP33	F-A, S-A	Category A	–	White powder or crystals. Toxic if swallowed, by skin contact or by dust inhalation.	1550
–	T1	TP33	F-A, S-A	Category A	–	Colourless crystals or white powder. Toxic if swallowed, by skin contact or by dust inhalation.	1551
–	T20	TP2 TP7 TP13	F-A, S-A	Category B	SG33	White, deliquescent crystals which readily become liquid. Melting point: approximately 35°C. Miscible with water. In contact with metals, may evolve arsine, an extremely toxic gas. Highly toxic if swallowed, by skin contact or by inhalation.	1553
–	T3	TP33	F-A, S-A	Category A	–	White crystals with a relatively high melting point. Soluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	1554
–	T3	TP33	F-A, S-A	Category A SW1 SW2 H2	–	White, deliquescent crystals. Melting point: approximately 33°C. Decomposed by water, evolving hydrogen bromide, an irritating and corrosive gas, apparent as white fumes. Toxic if swallowed, by skin contact or by dust inhalation.	1555
–	T14	TP2 TP13 TP27	F-A, S-A	Category B SW2	SG70	A wide variety of toxic liquids. In contact with acids, arsenic sulphide evolves hydrogen sulphide, a toxic and flammable gas. Toxic if swallowed, by skin contact or by inhalation.	1556

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1556	ARSENIC COMPOUND, LIQUID, N.O.S. inorganic, including: Arsenates, n.o.s., Arsenites, n.o.s., and Arsenic sulphides, n.o.s.	6.1	–	II	43 274	100 mL	E4	P001	–	IBC02	–
1556	ARSENIC COMPOUND, LIQUID, N.O.S. inorganic, including: Arsenates, n.o.s., Arsenites, n.o.s., and Arsenic sulphides, n.o.s.	6.1	–	III	43 223 274	5 L	E1	P001 LP01	–	IBC03	–
1557	ARSENIC COMPOUND, SOLID, N.O.S. inorganic, including: Arsenates, n.o.s.; Arsenites, n.o.s.; and Arsenic sulphides, n.o.s.	6.1	–	I	43 274	0	E5	P002	–	IBC07	B1
1557	ARSENIC COMPOUND, SOLID, N.O.S. inorganic, including: Arsenates, n.o.s.; Arsenites, n.o.s.; and Arsenic sulphides, n.o.s.	6.1	–	II	43 274	500 g	E4	P002	–	IBC08	B4 B21
1557	ARSENIC COMPOUND, SOLID, N.O.S. inorganic, including: Arsenates, n.o.s.; Arsenites, n.o.s.; and Arsenic sulphides, n.o.s.	6.1	–	III	43 223 274	5 kg	E1	P002 LP02	–	IBC08	B3
1558	ARSENIC	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
1559	ARSENIC PENTOXIDE	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
1560	ARSENIC TRICHLORIDE	6.1	–	I	–	0	E0	P602	–	–	–
1561	ARSENIC TRIOXIDE	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
1562	ARSENICAL DUST	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
1564	BARIUM COMPOUND, N.O.S.	6.1	–	II	177 274	500 g	E4	P002	–	IBC08	B4 B21
1564	BARIUM COMPOUND, N.O.S.	6.1	–	III	177 223 274	5 kg	E1	P002 LP02	–	IBC08	B3
1565	BARIUM CYANIDE	6.1	– P	I	–	0	E5	P002	PP31	IBC07	B1
1566	BERYLLIUM COMPOUND, N.O.S.	6.1	–	II	274	500 g	E4	P002	–	IBC08	B4 B21
1566	BERYLLIUM COMPOUND, N.O.S.	6.1	–	III	223 274	5 kg	E1	P002 LP02	–	IBC08	B3
1567	BERYLLIUM POWDER	6.1	4.1	II	–	500 g	E4	P002	PP100	IBC08	B4 B21
1569	BROMOACETONE	6.1	3 P	II	–	0	E0	P602	–	–	–
1570	BRUCINE	6.1	–	I	43	0	E5	P002	–	IBC07	B1

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T11	TP2 TP13 TP27	F-A, S-A	Category B SW2	SG70	A wide variety of toxic liquids. In contact with acids, arsenic sulphide evolves hydrogen sulphide, a toxic and flammable gas. Toxic if swallowed, by skin contact or by inhalation.	1556
–	T7	TP2 TP28	F-A, S-A	Category B SW2	SG70	See entry above.	1556
–	T6	TP33	F-A, S-A	Category A	SG70	A wide variety of toxic solids. In contact with acids, arsenic sulphide evolves hydrogen sulphide, a toxic and flammable gas. Toxic if swallowed, by skin contact or by dust inhalation.	1557
–	T3	TP33	F-A, S-A	Category A	SG70	See entry above.	1557
–	T1	TP33	F-A, S-A	Category A	SG70	See entry above.	1557
–	T3	TP33	F-A, S-A	Category A	–	Silvery, brittle, crystalline solid with the appearance of a metal. Toxic if swallowed, by skin contact or by dust inhalation.	1558
–	T3	TP33	F-A, S-A	Category A	–	White, deliquescent powder. Soluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	1559
–	T14	TP2 TP13	F-A, S-A	Category B SW2	–	Colourless, oily liquid. Fumes in moist air, evolving hydrogen chloride, an irritating and corrosive gas, apparent as white fumes. Reacts with water. Highly toxic if swallowed, by skin contact or by inhalation.	1560
–	T3	TP33	F-A, S-A	Category A	–	White powder. Slightly soluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	1561
–	T3	TP33	F-A, S-A	Category A	–	Fine powder. Toxic if swallowed, by skin contact or by dust inhalation.	1562
–	T3	TP33	F-A, S-A	Category A	–	White powder, lumps or crystals. Toxic if swallowed, by skin contact or by inhalation.	1564
–	T1	TP33	F-A, S-A	Category A	–	See entry above.	1564
–	T6	TP33	F-A, <u>S-A</u>	Category A SW2	SGG6 SG35	White crystals or powder. Soluble in water. Reacts with acids or acid fumes, evolving hydrogen cyanide, a highly toxic and flammable gas. Highly toxic if swallowed, by skin contact or by dust inhalation.	1565
–	T3	TP33	F-A, S-A	Category A	–	A wide range of toxic solids. Toxic if swallowed, by skin contact or by dust inhalation.	1566
–	T1	TP33	F-A, S-A	Category A	–	See entry above.	1566
–	T3	TP33	F-G, S-G	Category A H1	SG25 SG26	White, metallic powder. Toxic if swallowed, by skin contact or by dust inhalation.	1567
–	T20	TP2 TP13	F-E, <u>S-D</u>	Category D SW2	–	When pure, colourless liquid evolving irritating vapour (“Tear Gas”). Flashpoint: approximately 45°C c.c. Toxic if swallowed, by skin contact or by inhalation.	1569
–	T6	TP33	F-A, S-A	Category A	–	White crystals or powder. Highly toxic if swallowed, by skin contact or by dust inhalation.	1570

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1571	BARIUM AZIDE, WETTED with not less than 50% water, by mass	4.1	6.1	I	28	0	E0	P406	PP31	–	–
1572	CACODYLIC ACID	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
1573	CALCIUM ARSENATE	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
1574	CALCIUM ARSENATE AND CALCIUM ARSENITE MIXTURE, SOLID	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
1575	CALCIUM CYANIDE	6.1	– P	I	–	0	E5	P002	PP31	IBC07	B1
1577	CHLORODINITROBENZENES, LIQUID	6.1	– P	II	279	100 mL	E4	P001	–	IBC02	–
1578	CHLORONITROBENZENES, SOLID	6.1	–	II	279	500 g	E4	P002	–	IBC08	B4 B21
1579	4-CHLORO- <i>o</i> -TOLUIDINE HYDROCHLORIDE, SOLID	6.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
△ 1580	CHLOROPICRIN	6.1	– P	I	354	0	E0	P601	–	–	–
1581	CHLOROPICRIN AND METHYL BROMIDE MIXTURE with more than 2% chloropicrin	2.3	–	–	–	0	E0	P200	–	–	–
1582	CHLOROPICRIN AND METHYL CHLORIDE MIXTURE	2.3	–	–	–	0	E0	P200	–	–	–
1583	CHLOROPICRIN MIXTURE, N.O.S.	6.1	–	I	43 274 315	0	E0	P602	–	–	–
1583	CHLOROPICRIN MIXTURE, N.O.S.	6.1	–	II	43 274	100 mL	E0	P001	–	IBC02	–
1583	CHLOROPICRIN MIXTURE, N.O.S.	6.1	–	III	43 223 274	5 L	E0	P001 LP01	–	IBC03	–
1585	COPPER ACETOARSENITE	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
1586	COPPER ARSENITE	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
1587	COPPER CYANIDE	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
1588	CYANIDES, INORGANIC, SOLID, N.O.S.	6.1	– P	I	47 274	0	E5	P002	–	IBC07	B1
1588	CYANIDES, INORGANIC, SOLID, N.O.S.	6.1	– P	II	47 274	500 g	E4	P002	–	IBC08	B4 B21

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-B, S-J	Category D	SGG17 SG7 SG30	Desensitized explosive. White crystals or powder. Explosive and sensitive to friction in the dry state. Toxic if swallowed, by skin contact or by dust inhalation. May form extremely sensitive compounds with heavy metals or their salts.	1571
–	T3	TP33	F-A, S-A	Category E	SGG1 SG35 SG36 SG49	Colourless crystals or white powder with an offensive odour. Soluble in water. May react with acids, evolving dimethylarsine, an extremely toxic gas. Toxic if swallowed, by skin contact or by dust inhalation.	1572
–	T3	TP33	F-A, <u>S-A</u>	Category A	–	White powder. Slightly soluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	1573
–	T3	TP33	F-A, <u>S-A</u>	Category A	–	White powder. Toxic if swallowed, by skin contact or by dust inhalation.	1574
–	T6	TP33	F-A, <u>S-A</u>	Category A SW2	SGG6 SG35	White crystals or powder. Decomposes slowly in water to form a weak hydrogen cyanide solution. Reacts with acids or acid fumes, evolving hydrogen cyanide, a highly toxic and flammable gas. Highly toxic if swallowed, by skin contact or by dust inhalation.	1575
–	T7	TP2	F-A, <u>S-A</u>	Category A	SG15	Colourless liquids. May explode if involved in a fire. Toxic if swallowed, by skin contact or by inhalation.	1577
–	T3	TP33	F-A, S-A	Category A	–	Yellow crystals. Melting point: approximately 30°C to 80°C. Toxic if swallowed, by skin contact or by dust inhalation.	1578
–	T1	TP33	F-A, S-A	Category A	–	Dry solid or paste. Toxic if swallowed, by skin contact or by dust inhalation.	1579
–	T22	TP2 TP13	F-A, <u>S-A</u>	Category D SW2	–	Colourless, oily liquid. Highly toxic if swallowed, by skin contact or by inhalation.	1580
–	T50	–	F-C, S-U	Category D SW1 SW2	–	Extremely volatile liquid evolving highly toxic vapours. Highly toxic by skin contact or by inhalation. Causes burns to skin and eyes; vapour irritating to mucous membranes.	1581
–	T50	–	F-C, S-U	Category D SW1 SW2	–	Extremely volatile liquid evolving highly toxic vapours. Highly toxic by skin contact or by inhalation. Causes burns to skin and eyes; vapour irritating to mucous membranes.	1582
–	–	–	F-A, S-A	Category C SW2	–	A wide range of liquid mixtures. May evolve highly toxic vapour. Toxic if swallowed, by skin contact or by inhalation.	1583
–	–	–	F-A, S-A	Category C SW2	–	See entry above.	1583
–	–	–	F-A, S-A	Category C SW2	–	See entry above.	1583
–	T3	TP33	F-A, <u>S-A</u>	Category A	–	Green powder. Insoluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	1585
–	T3	TP33	F-A, <u>S-A</u>	Category A	–	Yellowish-green powder. Insoluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	1586
–	T3	TP33	F-A, <u>S-A</u>	Category A	SGG6 SGG7 SG35	Green powder. Slightly soluble in water. Reacts with acids or acid fumes, evolving hydrogen cyanide, a highly toxic and flammable gas. Toxic if swallowed, by skin contact or by dust inhalation.	1587
–	T6	TP33	F-A, <u>S-A</u>	Category A	SGG6 SG35	Solids. May be soluble in water. On contact with water, may form a weak hydrogen cyanide solution. React with acids or acid fumes, evolving hydrogen cyanide, a highly toxic and flammable gas. Toxic if swallowed, by skin contact or by dust inhalation. The provisions of this Code shall not apply to complex ferricyanides and ferrocyanides.	1588
–	T3	TP33	F-A, <u>S-A</u>	Category A	SGG6 SG35	See entry above.	1588

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1588	CYANIDES, INORGANIC, SOLID, N.O.S.	6.1	– P	III	47 223 274	5 kg	E1	P002 LP02	–	IBC08	B3
1589	CYANOGEN CHLORIDE, STABILIZED	2.3	8 P	–	386	0	E0	P200	–	–	–
1590	DICHLOROANILINES, LIQUID	6.1	– P	II	279	100 mL	E4	P001	–	IBC02	–
1591	o-DICHLOROBENZENE	6.1	–	III	279	5 L	E1	P001 LP01	–	IBC03	–
1593	DICHLOROMETHANE	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	B8
1594	DIETHYL SULPHATE	6.1	–	II	–	100 mL	E4	P001	–	IBC02	–
△ 1595	DIMETHYL SULPHATE	6.1	8	I	354	0	E0	P602	–	–	–
1596	DINITROANILINES	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
1597	DINITROBENZENES, LIQUID	6.1	–	II	–	100 mL	E4	P001	–	IBC03	–
1597	DINITROBENZENES, LIQUID	6.1	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
1598	DINITRO-o-CRESOL	6.1	– P	II	43	500 g	E4	P002	–	IBC08	B4 B21
1599	DINITROPHENOL SOLUTION	6.1	– P	II	–	100 mL	E4	P001	–	IBC02	–
1599	DINITROPHENOL SOLUTION	6.1	– P	III	223	5 L	E1	P001 LP01	–	IBC03	–
1600	DINITROTOLUENES, MOLTEN	6.1	– P	II	–	0	E0	–	–	–	–
1601	DISINFECTANT, SOLID, TOXIC, N.O.S.	6.1	–	I	274	0	E5	P002	–	IBC07	B1
1601	DISINFECTANT, SOLID, TOXIC, N.O.S.	6.1	–	II	274	500 g	E4	P002	–	IBC08	B4 B21
1601	DISINFECTANT, SOLID, TOXIC, N.O.S.	6.1	–	III	223 274	5 kg	E1	P002 LP02	–	IBC08	B3
1602	DYE, LIQUID, TOXIC, N.O.S. or DYE INTERMEDIATE, LIQUID, TOXIC, N.O.S.	6.1	–	I	274	0	E5	P001	–	–	–
1602	DYE, LIQUID, TOXIC, N.O.S. or DYE INTERMEDIATE, LIQUID, TOXIC, N.O.S.	6.1	–	II	274	100 mL	E4	P001	–	IBC02	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T1	TP33	F-A, <u>S-A</u>	Category A	SGG6 SG35	Solids. May be soluble in water. On contact with water, may form a weak hydrogen cyanide solution. React with acids or acid fumes, evolving hydrogen cyanide, a highly toxic and flammable gas. Toxic if swallowed, by skin contact or by dust inhalation. The provisions of this Code shall not apply to complex ferricyanides and ferrocyanides.	1588
–	–	–	F-C, S-U	Category D SW1 SW2	–	Liquefied, non-flammable, toxic and corrosive gas with an irritating odour. Produces severe tearing of the eyes. On contact with water, reacts violently to give off highly toxic and corrosive fumes. Much heavier than air (2.1). Boiling point: 13°C. Toxic by skin contact or by inhalation. Highly irritating to skin, eyes and mucous membranes.	1589
–	T7	TP2	F-A, <u>S-A</u>	Category A SW2	–	Colourless liquid with a penetrating odour. Liquid mixtures of various isomers of dichloroanilines, some of which in the pure state may be solid, with a melting point varying from 24°C to 72°C. Toxic if swallowed, by skin contact or by inhalation.	1590
–	T4	TP1	F-A, S-A	Category A	SGG10	Volatile liquid. Melting point: approximately –17°C. Toxic if swallowed, by skin contact or by inhalation.	1591
–	T7	TP2	F-A, S-A	Category A	SGG10	Colourless, volatile liquid with heavy vapours. Boiling point: 40°C. When involved in a fire, evolves extremely toxic fumes (phosgene). Toxic if swallowed, by skin contact or by inhalation.	1593
–	T7	TP2	F-A, S-A	Category C	–	Colourless, oily liquid. Readily hydrolysed by moisture to sulphuric acid, which is a corrosive liquid. Toxic if swallowed, by skin contact or by inhalation.	1594
–	T20	TP2 TP13	F-A, S-B	Category D SW2	SGG1 SG36 SG49	Colourless, volatile liquid evolving toxic vapours. In the presence of moisture, corrosive to most metals. Highly toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	1595
–	T3	TP33	F-A, S-A	Category A	SG15	Yellow crystals in pure form. Insoluble in water. May explode if involved in a fire. Toxic if swallowed, by skin contact or by inhalation.	1596
–	T7	TP2	F-A, S-A	Category A	SG15	Yellow solutions. May explode if involved in a fire. Toxic if swallowed, by skin contact or by inhalation.	1597
–	T7	TP2	F-A, S-A	Category A	SG15	See entry above.	1597
–	T3	TP33	F-A, <u>S-A</u>	Category A	–	Yellow crystals or crystallized mass. Slightly soluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	1598
–	T7	TP2	F-A, <u>S-A</u>	Category A	SG30	Substance when pure consists of yellow crystals. Slightly soluble in water. May form extremely sensitive compounds with heavy metals or their salts. Toxic if swallowed, by skin contact or by inhalation.	1599
–	T4	TP1	F-A, <u>S-A</u>	Category A	SG30	See entry above.	1599
–	T7	TP3	F-A, <u>S-A</u>	Category C	–	Molten liquid. This entry covers the 2,3-, 2,4-, 2,5-, 2,6-, 3,4- and 3,5-isomers having melting points between 52°C and 93°C. Toxic if swallowed, by skin contact or by inhalation.	1600
–	T6	TP33	F-A, S-A	Category A SW2	–	A wide range of toxic solids. Toxic if swallowed, by skin contact or by inhalation.	1601
–	T3	TP33	F-A, S-A	Category A SW2	–	See entry above.	1601
–	T1	TP33	F-A, S-A	Category A SW2	–	See entry above.	1601
–	–	–	F-A, S-A	Category A	–	A wide range of toxic liquids. Toxic if swallowed, by skin contact or by inhalation.	1602
–	–	–	F-A, S-A	Category A	–	See entry above.	1602

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1602	DYE, LIQUID, TOXIC, N.O.S. or DYE INTERMEDIATE, LIQUID, TOXIC, N.O.S.	6.1	–	III	223 274	5 L	E1	P001 LP01	–	IBC03	–
1603	ETHYL BROMOACETATE	6.1	3	II	–	100 mL	E0	P001	–	IBC02	–
1604	ETHYLENEDIAMINE	8	3	II	–	1 L	E2	P001	–	IBC02	–
△ 1605	ETHYLENE DIBROMIDE	6.1	–	I	354	0	E0	P602	–	–	–
1606	FERRIC ARSENATE	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
1607	FERRIC ARSENITE	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
1608	FERROUS ARSENATE	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
1611	HEXAETHYL TETRAPHOSPHATE	6.1	– P	II	–	100 mL	E4	P001	–	IBC02	–
1612	HEXAETHYL TETRAPHOSPHATE AND COMPRESSED GAS MIXTURE	2.3	–	–	–	0	E0	P200	–	–	–
1613	HYDROCYANIC ACID, AQUEOUS SOLUTION (HYDROGEN CYANIDE, AQUEOUS SOLUTION) with not more than 20% hydrogen cyanide	6.1	– P	I	900	0	E0	P601	–	–	–
1614	HYDROGEN CYANIDE, STABILIZED, containing less than 3% water and absorbed in a porous inert material	6.1	– P	I	386	0	E0	P099	–	–	–
1616	LEAD ACETATE	6.1	– P	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
1617	LEAD ARSENATES	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
1618	LEAD ARSENITES	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
1620	LEAD CYANIDE	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
1621	LONDON PURPLE	6.1	– P	II	43	500 g	E4	P002	–	IBC08	B4 B21
1622	MAGNESIUM ARSENATE	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
1623	MERCURIC ARSENATE	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
1624	MERCURIC CHLORIDE	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
1625	MERCURIC NITRATE	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
	Tank instructions	Provisions					
(12)	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-A, S-A	Category A	–	A wide range of toxic liquids. Toxic if swallowed, by skin contact or by inhalation.	1602
–	T7	TP2	F-E, S-D	Category D SW2	–	Colourless, flammable liquid evolving irritating vapour (“Tear Gas”). Flashpoint: 58°C c.c. Toxic if swallowed, by skin contact or by inhalation.	1603
–	T7	TP2	F-E, S-C	Category A SW2	SGG18 SG35	Volatile, colourless, hygroscopic flammable liquid with an ammonia-like odour. Flashpoint: 34°C c.c. Miscible with water. Causes burns to skin, eyes and mucous membranes. Reacts violently with acids.	1604
–	T20	TP2 TP13	F-A, S-A	Category D SW2	SGG10	Colourless, volatile liquid. Highly toxic if swallowed, by skin contact or by inhalation.	1605
–	T3	TP33	F-A, <u>S-A</u>	Category A	–	Green crystals or powder. Insoluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	1606
–	T3	TP33	F-A, <u>S-A</u>	Category A	–	Brown or yellow powder. Insoluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	1607
–	T3	TP33	F-A, <u>S-A</u>	Category A	–	Green powder. Insoluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	1608
–	T7	TP2	F-A, <u>S-A</u>	Category E SW2	–	Yellow liquid. Miscible with water. Toxic if swallowed, by skin contact or by inhalation.	1611
–	–	–	F-C, S-U	Category D SW2	–	Toxic if swallowed, by skin contact or by inhalation.	1612
–	T14	TP2 TP13	F-A, <u>S-A</u>	Category D SW2	–	Colourless liquid evolving extremely toxic vapour with a bitter almond odour. Miscible with water. Highly toxic if swallowed, by skin contact or by inhalation. Transport of HYDROCYANIC ACID, AQUEOUS SOLUTION with more than 20% hydrogen cyanide and of HYDROGEN CYANIDE, AQUEOUS SOLUTION with more than 20% hydrogen cyanide is prohibited .	1613
–	–	–	F-A, <u>S-U</u>	Category D SW1 SW2	–	Very volatile, colourless liquid, evolving extremely toxic flammable vapours, absorbed in a porous inert material. Miscible with water. Highly toxic if swallowed, by skin contact or by inhalation.	1614
–	T1	TP33	F-A, <u>S-A</u>	Category A	SGG7 SGG9	White crystals, or brown or grey lumps. Soluble in water. Toxic if swallowed, by skin contact or by inhalation.	1616
–	T3	TP33	F-A, <u>S-A</u>	Category A	SGG7 SGG9	White crystals or powder. Insoluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	1617
–	T3	TP33	F-A, <u>S-A</u>	Category A	SGG7 SGG9	White powder. Insoluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	1618
–	T3	TP33	F-A, <u>S-A</u>	Category A	SGG6 SGG7 SGG9 SG35	White powder. Slightly soluble in water. Reacts with acids or acid fumes, evolving hydrogen cyanide, a highly toxic and flammable gas. Toxic if swallowed, by skin contact or by dust inhalation.	1620
–	T3	TP33	F-A, <u>S-A</u>	Category A	–	Mixture of arsenic trioxide, lime and ferric oxide, used as an insecticide. Insoluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	1621
–	T3	TP33	F-A, <u>S-A</u>	Category A	–	White crystals or powder. Insoluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	1622
–	T3	TP33	F-A, <u>S-A</u>	Category A	SGG7 SGG11	Yellow crystals or powder. Insoluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	1623
–	T3	TP33	F-A, <u>S-A</u>	Category A	SGG7 SGG11	White crystals or powder. Soluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	1624
–	T3	TP33	F-A, <u>S-A</u>	Category A	SGG7 SGG11	White, deliquescent crystals or powder. Soluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	1625

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1626	MERCURIC POTASSIUM CYANIDE	6.1	– P	I	–	0	E5	P002	PP31	IBC07	B1
1627	MERCUROUS NITRATE	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
1629	MERCURY ACETATE	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
1630	MERCURY AMMONIUM CHLORIDE	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
1631	MERCURY BENZOATE	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
1634	MERCURY BROMIDES	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
1636	MERCURY CYANIDE	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
1637	MERCURY GLUCONATE	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
1638	MERCURY IODIDE	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
1639	MERCURY NUCLEATE	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
1640	MERCURY OLEATE	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
1641	MERCURY OXIDE	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
1642	MERCURY OXYCYANIDE, DESENSITIZED	6.1	– P	II	900	500 g	E4	P002	–	IBC08	B4 B21
1643	MERCURY POTASSIUM IODIDE	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
1644	MERCURY SALICYLATE	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
1645	MERCURY SULPHATE	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
1646	MERCURY THIOCYANATE	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
1647	METHYL BROMIDE AND ETHYLENE DIBROMIDE MIXTURE, LIQUID	6.1	– P	I	354	0	E0	P602	–	–	–
1648	ACETONITRILE	3	–	II	–	1 L	E2	P001	–	IBC02	–
1649	MOTOR FUEL ANTI-KNOCK MIXTURE	6.1	– P	I	–	0	E0	P602	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T6	TP33	F-A, <u>S-A</u>	Category A	SGG6 SGG7 SGG11 SG35	Colourless crystals. Soluble in water. Reacts with acids, evolving hydrogen cyanide, a highly toxic and flammable gas. Highly toxic if swallowed, by skin contact or by dust inhalation.	1626
–	T3	TP33	F-A, <u>S-A</u>	Category A	SGG7 SGG11	Crystals or powder. Toxic if swallowed, by skin contact or by dust inhalation.	1627
–	T3	TP33	F-A, <u>S-A</u>	Category A	SGG7 SGG11	White crystals or powder. Toxic if swallowed, by skin contact or by dust inhalation.	1629
–	T3	TP33	F-A, <u>S-A</u>	Category A	SGG2 SGG7 SGG11	White crystals or powder. Insoluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	1630
–	T3	TP33	F-A, <u>S-A</u>	Category A	SGG7 SGG11	White crystals. Toxic if swallowed, by skin contact or by dust inhalation.	1631
–	T3	TP33	F-A, <u>S-A</u>	Category A	SGG7 SGG11	White crystals or powder. Toxic if swallowed, by skin contact or by dust inhalation.	1634
–	T3	TP33	F-A, <u>S-A</u>	Category A	SGG6 SGG7 SGG11 SG35	White crystals or powder. Soluble in water. Reacts with acids or acid fumes, evolving hydrogen cyanide, a highly toxic and flammable gas. Toxic if swallowed, by skin contact or by dust inhalation.	1636
–	T3	TP33	F-A, <u>S-A</u>	Category A	SGG7 SGG11	Solid. Soluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	1637
–	T3	TP33	F-A, <u>S-A</u>	Category A	SGG7 SGG11	Red crystals or powder. Insoluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	1638
–	T3	TP33	F-A, <u>S-A</u>	Category A	SGG7 SGG11	Brown powder containing about 20% mercury. Toxic if swallowed, by skin contact or by dust inhalation.	1639
–	T3	TP33	F-A, <u>S-A</u>	Category A	SGG7 SGG11	Yellow oily paste. Insoluble in water. Toxic if swallowed, by skin contact or by inhalation.	1640
–	T3	TP33	F-A, <u>S-A</u>	Category A	SGG7 SGG11	Orange powder. Insoluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	1641
–	T3	TP33	F-A, <u>S-A</u>	Category A	SGG6 SGG7 SGG11 SG15 SG35	White crystals or powder. Reacts with acids or acid fumes, evolving hydrogen cyanide, a highly toxic and flammable gas. May explode if involved in a fire. Toxic if swallowed, by skin contact or by dust inhalation. Should be sufficiently phlegmatized (mercury oxycyanide–mercury cyanide mixtures containing not less than 65% by mass of mercury cyanide can be regarded as adequately phlegmatized). Transport of MERCURY OXYCYANIDE pure is prohibited.	1642
–	T3	TP33	F-A, <u>S-A</u>	Category A	SGG7 SGG11	Yellow, deliquescent crystals or powder. Soluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	1643
–	T3	TP33	F-A, <u>S-A</u>	Category A	SGG7 SGG11	White powder. Insoluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	1644
–	T3	TP33	F-A, <u>S-A</u>	Category A	SGG7 SGG11	White crystals or powder. Decomposes in water, forming sulphuric acid. Toxic if swallowed, by skin contact or by dust inhalation.	1645
–	T3	TP33	F-A, <u>S-A</u>	Category A	SGG7 SGG11	White powder. Insoluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	1646
–	T20	TP2 TP13	F-A, <u>S-A</u>	Category D SW2	SGG10	Solutions of methyl bromide gas, evolving toxic vapour. Methyl bromide has a boiling point of approximately 4°C. Highly toxic if swallowed, by skin contact or by inhalation.	1647
–	T7	TP2	F-E, S-D	Category B SW2	–	Colourless, volatile liquid. Flashpoint: 2°C c.c. Explosive limits: 3% to 16%. Miscible with water. When involved in a fire, evolves toxic cyanide fumes. Harmful if swallowed, by skin contact or by inhalation.	1648
–	T14	TP2 TP13	F-A, <u>S-A</u>	Category D SW1 SW2	SGG7 SGG9	Volatile liquids evolving toxic vapour. Mixture of tetraethyllead or tetramethyllead with ethylene dibromide and ethylene dichloride. Insoluble in water. Highly toxic if swallowed, by skin contact or by inhalation.	1649

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1650	beta-NAPHTHYLAMINE, SOLID	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
1651	NAPHTHYLTHIOUREA	6.1	–	II	43	500 g	E4	P002	–	IBC08	B4 B21
1652	NAPHTHYLUREA	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
1653	NICKEL CYANIDE	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
1654	NICOTINE	6.1	–	II	–	100 mL	E4	P001	–	IBC02	–
1655	NICOTINE COMPOUND, SOLID, N.O.S. or NICOTINE PREPARATION, SOLID, N.O.S.	6.1	–	I	43 274	0	E5	P002	–	IBC07	B1
1655	NICOTINE COMPOUND, SOLID, N.O.S. or NICOTINE PREPARATION, SOLID, N.O.S.	6.1	–	II	43 274	500 g	E4	P002	–	IBC08	B4 B21
1655	NICOTINE COMPOUND, SOLID, N.O.S. or NICOTINE PREPARATION, SOLID, N.O.S.	6.1	–	III	43 223 274	5 kg	E1	P002 LP02	–	IBC08	B3
1656	NICOTINE HYDROCHLORIDE, LIQUID or SOLUTION	6.1	–	II	43	100 mL	E4	P001	–	IBC02	–
1656	NICOTINE HYDROCHLORIDE, LIQUID or SOLUTION	6.1	–	III	43 223	5 L	E1	P001 LP01	–	IBC03	–
1657	NICOTINE SALICYLATE	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
1658	NICOTINE SULPHATE SOLUTION	6.1	–	II	–	100 mL	E4	P001	–	IBC02	–
1658	NICOTINE SULPHATE SOLUTION	6.1	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
1659	NICOTINE TARTRATE	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
1660	NITRIC OXIDE, COMPRESSED	2.3	5.1/8	–	–	0	E0	P200	–	–	–
1661	NITROANILINES (o-, m-, p-)	6.1	–	II	279	500 g	E4	P002	–	IBC08	B4 B21
1662	NITROBENZENE	6.1	–	II	279	100 mL	E4	P001	–	IBC02	–
1663	NITROPHENOLS (o-, m-, p-)	6.1	–	III	279	5 kg	E1	P002 LP02	–	IBC08	B3
1664	NITROTOLUENES, LIQUID	6.1	–	II	–	100 mL	E4	P001	–	IBC02	–
1665	NITROXYLENES, LIQUID	6.1	–	II	–	100 mL	E4	P001	–	IBC02	–
1669	PENTACHLOROETHANE	6.1	– P	II	–	100 mL	E4	P001	–	IBC02	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T3	TP33	F-A, S-A	Category A	–	White crystals. Toxic if swallowed, by skin contact or by inhalation.	1650
–	T3	TP33	F-A, S-A	Category A	–	White crystals or powder. Toxic if swallowed, by skin contact or by dust inhalation.	1651
–	T3	TP33	F-A, S-A	Category A	–	Crystals or powder. Toxic if swallowed, by skin contact or by dust inhalation.	1652
–	T3	TP33	F-A, S-A	Category A	SGG6 SGG7 SG35	Green crystals or powder. Insoluble in water. Reacts with acids or acid fumes, evolving hydrogen cyanide, a highly toxic and flammable gas. Toxic if swallowed, by skin contact or by dust inhalation.	1653
–	–	–	F-A, S-A	Category A	–	Thick colourless oil, turning brown on exposure to air. Miscible with water. Toxic if swallowed, by skin contact or by inhalation.	1654
–	T6	TP33	F-A, S-A	Category B	–	A wide variety of toxic solids. Toxic if swallowed, by skin contact or by dust inhalation.	1655
–	T3	TP33	F-A, S-A	Category A	–	See entry above.	1655
–	T1	TP33	F-A, S-A	Category A	–	See entry above.	1655
–	–	–	F-A, S-A	Category A	–	Miscible with water. Toxic if swallowed, by skin contact or by inhalation.	1656
–	–	–	F-A, S-A	Category A	–	See entry above.	1656
–	T3	TP33	F-A, S-A	Category A	–	White crystals. Soluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	1657
–	T7	TP2	F-A, S-A	Category A	–	Miscible with water. Toxic if swallowed, by skin contact or by inhalation.	1658
–	T7	TP2	F-A, S-A	Category A	–	See entry above.	1658
–	T3	TP33	F-A, S-A	Category A	–	White crystals. Soluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	1659
–	–	–	F-C, S-W	Category D SW2	SG6 SG19	Non-flammable, toxic and corrosive gas. Strong oxidizing agent. On contact with air, gives off brown fumes which are toxic by inhalation, with delayed effect similar to phosgene. Heavier than air (1.04). Highly irritating to skin, eyes and mucous membranes.	1660
–	T3	TP33	F-A, S-A	Category A	–	Yellow crystals. Toxic if swallowed, by skin contact or by dust inhalation. <i>ortho</i> -NITROANILINES may be carried in the molten state.	1661
–	T7	TP2	F-A, S-A	Category A SW2	–	Oily liquid, evolving toxic vapour. Melting point: approximately 6°C. Toxic if swallowed, by skin contact or by inhalation.	1662
–	T1	TP33	F-A, S-A	Category A	–	Yellow crystals. Some isomers may have a melting point as low as 44°C. Toxic if swallowed, by skin contact or by dust inhalation. May be carried in the molten state.	1663
–	T7	TP2	F-A, S-A	Category A	–	Yellow liquids. Melting points: <i>ortho</i> -NITROTOLUENE: –4°C, <i>meta</i> -NITROTOLUENE: 15°C. Toxic if swallowed, by skin contact or by inhalation.	1664
–	T7	TP2	F-A, S-A	Category A	–	Yellow liquids. Melting points: 2-NITRO-3-XYLENE: 14°C to 16°C, 3-NITRO-2-XYLENE: 7°C to 9°C, 4-NITRO-3-XYLENE: 2°C. Immiscible with water. Toxic if swallowed, by skin contact or by inhalation.	1665
–	T7	TP2	F-A, S-A	Category A SW2	SGG10	Colourless liquid. Toxic if swallowed, by skin contact or by inhalation.	1669

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1670	PERCHLOROMETHYL MERCAPTAN	6.1	– P	I	354	0	E0	P602	–	–	–
1671	PHENOL, SOLID	6.1	–	II	279	500 g	E4	P002	–	IBC08	B4 B21
1672	PHENYL CARBYLAMINE CHLORIDE	6.1	–	I	–	0	E0	P602	–	–	–
1673	PHENYLENEDIAMINES (o-, m-, p-)	6.1	–	III	279	5 kg	E1	P002 LP02	–	IBC08	B3
1674	PHENYLMERCURIC ACETATE	6.1	– P	II	43	500 g	E4	P002	–	IBC08	B4 B21
1677	POTASSIUM ARSENATE	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
1678	POTASSIUM ARSENITE	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
1679	POTASSIUM CUPROCYANIDE	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
1680	POTASSIUM CYANIDE, SOLID	6.1	– P	I	–	0	E5	P002	PP31	IBC07	B1
1683	SILVER ARSENITE	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
1684	SILVER CYANIDE	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
1685	SODIUM ARSENATE	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
1686	SODIUM ARSENITE, AQUEOUS SOLUTION	6.1	–	II	43	100 mL	E4	P001	–	IBC02	–
1686	SODIUM ARSENITE, AQUEOUS SOLUTION	6.1	–	III	43 223	5 L	E1	P001 LP01	–	IBC03	–
1687	SODIUM AZIDE	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
1688	SODIUM CACODYLATE	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
1689	SODIUM CYANIDE, SOLID	6.1	– P	I	–	0	E5	P002	PP31	IBC07	B1
1690	SODIUM FLUORIDE, SOLID	6.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
1691	STRONTIUM ARSENITE	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
1692	STRYCHNINE or STRYCHNINE SALTS	6.1	– P	I	43	0	E5	P002	–	IBC07	B1

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T20	TP2 TP13	F-A, <u>S-A</u>	Category D SW2	–	Yellow, oily, volatile liquid evolving irritating vapour (“Tear Gas”). Slowly decomposes in contact with water, producing hydrochloric acid. Reacts with iron or steel, evolving carbon tetrachloride. Corrosive to most metals. Highly toxic if swallowed, by skin contact or by inhalation.	1670
–	T3	TP33	F-A, S-A	Category A	–	Colourless or white crystals or crystallized mass. Melting point: 43°C (pure product). Soluble in water. Toxic if swallowed, by skin contact or by vapour inhalation. Rapidly absorbed through the skin.	1671
–	T14	TP2 TP13	F-A, S-A	Category D SW2	–	Pale yellow, oily liquid with an irritating unpleasant odour. Highly toxic if swallowed, by skin contact or by inhalation.	1672
–	T1	TP33	F-A, S-A	Category A	–	White crystals or powder. Toxic if swallowed, by skin contact or by dust inhalation. May be carried in the molten state.	1673
–	T3	TP33	F-A, <u>S-A</u>	Category A	SGG7	Toxic if swallowed, by skin contact or by dust inhalation.	1674
–	T3	TP33	F-A, S-A	Category A	–	Colourless crystals or white powder. Soluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	1677
–	T3	TP33	F-A, S-A	Category A	–	White powder. Soluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	1678
–	T3	TP33	F-A, <u>S-A</u>	Category A	SGG6 SG35	White crystals or powder. Soluble in water. Reacts with acids or acid fumes, evolving hydrogen cyanide, a highly toxic and flammable gas. Toxic if swallowed, by skin contact or by dust inhalation.	1679
–	T6	TP33	F-A, <u>S-A</u>	Category B	SGG6 SG35	White, deliquescent crystals or lumps. Soluble in water. Reacts with acids or acid fumes, evolving hydrogen cyanide, a highly toxic and flammable gas. Highly toxic if swallowed, by skin contact or by dust inhalation.	1680
–	T3	TP33	F-A, <u>S-A</u>	Category A	SGG7	Yellow powder. Insoluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	1683
–	T3	TP33	F-A, <u>S-A</u>	Category A SW2	SGG6 SGG7 SG35	White powder. Insoluble in water. Reacts with acids or acid fumes, evolving hydrogen cyanide, a highly toxic and flammable gas. Toxic if swallowed, by skin contact or by dust inhalation.	1684
–	T3	TP33	F-A, S-A	Category A	–	Colourless crystals. Soluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	1685
–	T7	TP2	F-A, S-A	Category A	–	Colourless. Toxic if swallowed, by skin contact or by inhalation.	1686
–	T4	TP2	F-A, S-A	Category A	–	See entry above.	1686
–	–	–	F-A, S-A	Category A	SGG17 SG15 SG30 SG35	Colourless crystals. May react vigorously with acids to form hydrazoic acid, which is an explosive. May form extremely sensitive compounds with heavy metals or their salts. May explode if involved in a fire. Toxic if swallowed, by skin contact or by dust inhalation.	1687
–	T3	TP33	F-A, S-A	Category A	SG35	White, deliquescent solid with a foul odour. Reacts with acids, evolving dimethylarsine, an extremely toxic gas. Soluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	1688
–	T6	TP33	F-A, <u>S-A</u>	Category B	SGG6 SG35	White, deliquescent crystals or lumps. Soluble in water. Reacts with acids or acid fumes, evolving hydrogen cyanide, a highly toxic and flammable gas. Highly toxic if swallowed, by skin contact or by dust inhalation.	1689
–	T1	TP33	F-A, S-A	Category A	SG35	White crystals or powder. React with acids, evolving hydrogen fluoride, a toxic, irritating and corrosive gas, apparent as white fumes. Toxic if swallowed, by skin contact or by inhalation.	1690
–	T3	TP33	F-A, S-A	Category A	–	White powder. Soluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	1691
–	T6	TP33	F-A, <u>S-A</u>	Category A	–	White crystals or powder. Strychnine is slightly soluble; the salts are soluble in water. Highly toxic if swallowed, by skin contact or by dust inhalation.	1692

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1693	TEAR GAS SUBSTANCE, LIQUID, N.O.S.	6.1	–	I	274	0	E0	P001	PP31	–	–
1693	TEAR GAS SUBSTANCE, LIQUID, N.O.S.	6.1	–	II	274	0	E0	P001	PP31	IBC02	–
1694	BROMOBENZYL CYANIDES, LIQUID	6.1	–	I	138	0	E0	P001	PP31	–	–
△ 1695	CHLOROACETONE, STABILIZED	6.1	3/8 P	I	354	0	E0	P602	–	–	–
1697	CHLOROACETOPHENONE, SOLID	6.1	–	II	–	0	E0	P002	–	IBC08	B4 B21
1698	DIPHENYLAMINE CHLOROARSINE	6.1	– P	I	–	0	E0	P002	PP31	–	–
1699	DIPHENYLCHLOROARSINE, LIQUID	6.1	– P	I	–	0	E0	P001	PP31	–	–
1700	TEAR GAS CANDLES	6.1	4.1	–	–	0	E0	P600	–	–	–
1701	XYLYL BROMIDE, LIQUID	6.1	–	II	–	0	E0	P001	PP31	IBC02	–
1702	1,1,2,2-TETRACHLOROETHANE	6.1	– P	II	–	100 mL	E4	P001	–	IBC02	–
1704	TETRAETHYL DITHIOPYROPHOSPHATE	6.1	– P	II	43	100 mL	E4	P001	–	IBC02	–
1707	THALLIUM COMPOUND, N.O.S.	6.1	– P	II	43 274	500 g	E4	P002	–	IBC08	B4 B21
1708	TOLUIDINES, LIQUID	6.1	– P	II	279	100 mL	E4	P001	–	IBC02	–
1709	2,4-TOLUYLENEDIAMINE, SOLID	6.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
1710	TRICHLOROETHYLENE	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
1711	XYLIDINES, LIQUID	6.1	–	II	–	100 mL	E4	P001	–	IBC02	–
1712	ZINC ARSENATE, ZINC ARSENITE or ZINC ARSENATE AND ZINC ARSENITE MIXTURE	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
1713	ZINC CYANIDE	6.1	– P	I	–	0	E5	P002	–	IBC07	B1
1714	ZINC PHOSPHIDE	4.3	6.1	I	–	0	E0	P403	PP31	–	–
1715	ACETIC ANHYDRIDE	8	3	II	–	1 L	E2	P001	–	IBC02	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-A, S-A	Category D SW2	–	“Tear gas substance” is a generic term for substances which, in minute quantities dispersed in air, cause extreme eye irritation and profuse tears. Toxic if swallowed, by skin contact or by inhalation.	1693
–	–	–	F-A, S-A	Category D SW2	–	See entry above.	1693
–	T14	TP2 TP13	F-A, S-A	Category D SW1 SW2 H2	SGG6 SG35	Volatile liquids evolving irritating vapour (“Tear Gas”). Melting points: <i>ortho</i> -BROMOBENZYL CYANIDE 1°C. Highly toxic if swallowed, by skin contact or by inhalation.	1694
–	T20	TP2 TP13	F-E, S-C	Category D SW2	SG5 SG8	Flammable, corrosive, colourless liquid, evolving irritating vapour (“Tear Gas”). Miscible with water. Flashpoint: 25°C c.c. Highly toxic if swallowed, by skin contact or by inhalation.	1695
–	T3	TP33	F-A, S-A	Category D SW1 SW2 H2	–	White crystals evolving irritating vapour (“Tear Gas”). Melting point may be as low as 20°C. Toxic if swallowed, by skin contact or by inhalation.	1697
–	T6	TP33	F-A, S-A	Category D SW2	–	Volatile, yellow crystals evolving irritating vapour (“Tear Gas”). Highly toxic if swallowed, by skin contact or by inhalation.	1698
–	–	–	F-A, S-A	Category D SW2	–	When pure, colourless liquid. The commercial product may be a dark brown liquid. Volatile liquid evolving an irritating vapour (“Tear Gas”). Highly toxic if swallowed, by skin contact or by inhalation.	1699
–	–	–	F-A, S-G	Category D SW2	–	Devices containing tear-producing substances which, in minute quantities dispersed in air, cause extreme eye irritation and profuse tears.	1700
–	T7	TP2 TP13	F-A, S-A	Category D SW2	SGG10	Colourless liquid, evolving irritating vapour (“Tear Gas”). Toxic if swallowed, by skin contact or by inhalation.	1701
–	T7	TP2	F-A, S-A	Category A SW2	SGG10	Colourless liquid with a chloroform-like odour. Toxic if swallowed, by skin contact or by inhalation.	1702
–	T7	TP2	F-A, S-A	Category D SW2	–	Colourless liquid. In the presence of moisture, corrosive to most metals. Toxic if swallowed, by skin contact or by inhalation.	1704
–	T3	TP33	F-A, S-A	Category A	–	White crystals or powder. Toxic if swallowed, by skin contact or by dust inhalation.	1707
–	T7	TP2	F-A, S-A	Category A	–	Colourless liquids. Toxic if swallowed, by skin contact or by inhalation.	1708
–	T1	TP33	F-A, S-A	Category A	–	White crystals or powder. Toxic if swallowed, by skin contact or by dust inhalation.	1709
–	T4	TP1	F-A, S-A	Category A SW2	SGG10	Colourless liquid with a chloroform-like odour. When involved in a fire, evolves extremely toxic fumes (phosgene). Toxic if swallowed, by skin contact or by inhalation.	1710
–	T7	TP2	F-A, S-A	Category A	–	Toxic if swallowed, by skin contact or by inhalation.	1711
–	T3	TP33	F-A, S-A	Category A	SGG7	Crystalline solid. Insoluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	1712
–	T6	TP33	F-A, S-A	Category A	SGG6 SGG7 SG35	White crystals or powder. Insoluble in water. Reacts with acids or acid fumes, evolving hydrogen cyanide, a highly toxic and flammable gas. Highly toxic if swallowed, by skin contact or by dust inhalation.	1713
–	–	–	F-G, S-N	Category E SW2 SW5 H1	SGG7 SG26 SG35	Grey crystals or powder. Reacts with acids or decomposes slowly in contact with water or damp air, evolving phosphine, a spontaneously flammable and highly toxic gas. Reacts violently with oxidizing substances.	1714
–	T7	TP2	F-E, S-C	Category A SW2	SGG1 SG36 SG49	Colourless, flammable liquid with an irritating odour. Flashpoint: 54°C c.c. Immiscible with water. In the presence of moisture, corrosive to most metals. Vapour irritates mucous membranes.	1715

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1716	ACETYL BROMIDE	8	–	II	–	1 L	E2	P001	–	IBC02	B20
1717	ACETYL CHLORIDE	3	8	II	–	1 L	E2	P001	–	IBC02	B20
1718	BUTYL ACID PHOSPHATE	8	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
1719	CAUSTIC ALKALI LIQUID, N.O.S.	8	–	II	274	1 L	E2	P001	–	IBC02	–
1719	CAUSTIC ALKALI LIQUID, N.O.S.	8	–	III	223 274	5 L	E1	P001	–	IBC03	–
1722	ALLYL CHLOROFORMATE	6.1	3/8	I	–	0	E0	P001	–	–	–
1723	ALLYL IODIDE	3	8	II	–	1 L	E2	P001	–	IBC02	–
1724	ALLYLTRICHLOROSILANE, STABILIZED	8	3	II	386	0	E0	P010	–	–	–
1725	ALUMINIUM BROMIDE, ANHYDROUS	8	–	II	937	1 kg	E2	P002	–	IBC08	B4 B21
1726	ALUMINIUM CHLORIDE, ANHYDROUS	8	–	II	937	1 kg	E2	P002	–	IBC08	B4 B21
1727	AMMONIUM HYDROGENDIFLUORIDE, SOLID	8	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
1728	AMYLTRICHLOROSILANE	8	–	II	–	0	E0	P010	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T8	TP2	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Colourless liquid. Reacts violently with water, evolving hydrogen bromide, an irritating and corrosive gas apparent as white fumes. In the presence of moisture, highly corrosive to most metals. Vapour irritates mucous membranes.	1716
–	T8	TP2	F-E, S-C	Category B SW2	SGG1 SG36 SG49	Colourless liquid. Flashpoint: 5°C c.c. Boiling point: 51°C. Reacts violently with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. In the presence of moisture, highly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	1717
–	T4	TP1	F-A, S-B	Category A	SGG1 SG36 SG49	Yellow liquid. Insoluble in water. Mildly corrosive to most metals.	1718
–	T11	TP2 TP27	F-A, S-B	Category A	SGG18 SG22 SG35	Corrosive to aluminium, zinc and tin. Reacts violently with acids. Reacts with ammonium salts, evolving ammonia gas. Causes burns to skin, eyes and mucous membranes.	1719
–	T7	TP1 TP28	F-A, S-B	Category A	SGG18 SG22 SG35	See entry above.	1719
–	T14	TP2 TP13	F-E, S-C	Category D SW2	SGG1 SG5 SG8 SG36 SG49	Colourless, flammable liquid, extremely irritating odour, causes tears. Flashpoint: 31°C c.c. When involved in a fire, evolves toxic gases. In the presence of moisture, corrosive to most metals. Highly toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	1722
–	T7	TP2 TP13	F-E, S-C	Category B SW2	SGG1 SGG10 SG36 SG49	Yellow liquid with an irritating odour. Flashpoint: 5°C c.c. Immiscible with water. In the presence of moisture, corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	1723
–	T10	TP2 TP7 TP13	F-E, S-C	Category C SW1 SW2	SGG1 SG36 SG49	Colourless, flammable liquid with a pungent odour. Flashpoint: 35°C c.c. Reacts violently with water, evolving hydrogen chloride, an irritating and corrosive gas, apparent as white fumes. When involved in a fire, evolves toxic gases. In the presence of moisture, highly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	1724
–	T3	TP33	F-A, S-B	Category A SW2	SGG1 SG36 SG49	White to yellowish hygroscopic crystals. Forms corrosive vapours in moist air. Reacts violently with water, evolving heat and hydrogen bromide, an irritating and corrosive gas apparent as white fumes. In the presence of moisture, highly corrosive to most metals. Highly irritating to skin, eyes and mucous membranes. The solid hydrated form of this substance is not subject to the provisions of this Code.	1725
–	T3	TP33	F-A, S-B	Category A SW2	SGG1 SG36 SG49	White to yellowish hygroscopic crystals. Forms corrosive vapours in moist air. Reacts violently with water, evolving heat and hydrogen chloride, an irritating and corrosive gas apparent as white fumes. In the presence of moisture, highly corrosive to most metals. Highly irritating to skin, eyes and mucous membranes. The solid hydrated form of this substance is not subject to the provisions of this Code.	1726
–	T3	TP33	F-A, S-B	Category A SW1 SW2	SGG1 SGG2 SG35 SG36 SG49	White deliquescent crystals. Decomposed by heat or acids, evolving hydrogen fluoride, a toxic, extremely irritating and corrosive gas, apparent as white fumes. In the presence of moisture, highly corrosive to glass, other siliceous materials and most metals. Causes burns to skin and mucous membranes.	1727
–	T10	TP2 TP7 TP13	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Colourless liquid with a pungent odour. Reacts violently with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. When involved in a fire, evolves toxic gases. In the presence of moisture, highly corrosive to most metals. Vapour irritates mucous membranes.	1728

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1729	ANISOYL CHLORIDE	8	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
1730	ANTIMONY PENTACHLORIDE, LIQUID	8	–	II	–	1 L	E2	P001	–	IBC02	–
1731	ANTIMONY PENTACHLORIDE SOLUTION	8	–	II	–	1 L	E2	P001	–	IBC02	–
1731	ANTIMONY PENTACHLORIDE SOLUTION	8	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
1732	ANTIMONY PENTAFLUORIDE	8	6.1	II	–	1 L	E0	P001	–	IBC02	–
1733	ANTIMONY TRICHLORIDE	8	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
1736	BENZOYL CHLORIDE	8	–	II	–	1 L	E2	P001	–	IBC02	B20
1737	BENZYL BROMIDE	6.1	8	II	–	0	E4	P001	–	IBC02	B20
1738	BENZYL CHLORIDE	6.1	8	II	–	0	E4	P001	–	IBC02	B20
1739	BENZYL CHLOROFORMATE	8	– P	I	–	0	E0	P001	–	–	–
1740	HYDROGENDIFLUORIDES, SOLID, N.O.S.	8	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
1740	HYDROGENDIFLUORIDES, SOLID, N.O.S.	8	–	III	223	5 kg	E1	P002 LP02	–	IBC08	B3
1741	BORON TRICHLORIDE	2.3	8	–	–	0	E0	P200	–	–	–
1742	BORON TRIFLUORIDE ACETIC ACID COMPLEX, LIQUID	8	–	II	–	1 L	E2	P001	–	IBC02	B20

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T3	TP33	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Crystalline powder. Melting point: 22°C. Reacts violently with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. In the presence of moisture, highly corrosive to most metals. Vapour irritates mucous membranes.	1729
–	T7	TP2	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Yellow, oily liquid with an offensive odour. May solidify by absorption of moisture. Reacts violently with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. In the presence of moisture, highly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	1730
–	T7	TP2	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Yellow liquid with an offensive odour. Corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	1731
–	T4	TP1	F-A, S-B	Category C SW2	SGG1 SG36 SG49	See entry above.	1731
–	T7	TP2	F-A, S-B	Category D SW2	SGG1 SG6 SG8 SG10 SG12 SG36 SG49	Colourless liquid with a pungent odour. When anhydrous, mildly corrosive to glass, other siliceous materials and most metals. Reacts violently with water, evolving hydrogen fluoride, an irritating gas, highly corrosive to glass and other siliceous materials and most metals. Powerful oxidant, may cause fire in contact with readily flammable organic substances. Toxic if swallowed, by skin contact or by inhalation. Causes burns to skin and mucous membranes.	1732
–	T3	TP33	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Reacts slowly with water, evolving hydrogen chloride, an irritating and corrosive gas. In the presence of moisture, corrosive to most metals.	1733
–	T8	TP2 TP13	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Colourless liquid, very irritating odour, causes tears. Reacts violently with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. In the presence of moisture, highly corrosive to most metals. Vapour irritates mucous membranes.	1736
–	T8	TP2 TP13	F-A, S-B	Category D SW2 H1	SGG1 SGG10 SG36 SG49	Colourless liquid with a pungent odour, causes tears. In the presence of moisture, corrosive to most metals. Toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	1737
–	T8	TP2 TP13	F-A, S-B	Category D SW2 H1	SGG1 SGG10 SG36 SG49	Colourless liquid with a pungent odour. Causes tears. Immiscible with water, but hydrolyses slowly in contact with it. In the presence of moisture, corrosive to most metals. Toxic if swallowed, by skin contact or by vapour inhalation. Causes burns to skin, eyes and mucous membranes.	1738
–	T10	TP2 TP13	F-A, S-B	Category D SW2	SGG1 SG36 SG49	Colourless liquid with an irritating odour. Reacts with water. When involved in a fire, evolves toxic gases. In the presence of moisture, highly corrosive to most metals. Causes severe burns to skin, eyes and mucous membranes.	1739
–	T3	TP33	F-A, S-B	Category A SW1 SW2	SGG1 SG35 SG36 SG49	Crystalline solids. Decomposed by heat or acid, evolving hydrogen fluoride, an extremely irritating and corrosive gas. In the presence of moisture, corrosive to glass, other siliceous materials and most metals. Cause burns to skin, eyes and mucous membranes.	1740
–	T1	TP33	F-A, S-B	Category A SW1 SW2	SGG1 SG35 SG36 SG49	See entry above.	1740
–	–	–	F-C, S-U	Category D SW1 SW2	–	Non-flammable, toxic and corrosive gas. Forms dense white corrosive fumes in moist air. Reacts violently with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. In the presence of moisture, highly corrosive to most metals. Much heavier than air (2.35). Highly irritating to skin, eyes and mucous membranes.	1741
–	T8	TP2	F-A, S-B	Category A	SGG1 SG36 SG49	Highly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	1742

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1743	BORON TRIFLUORIDE PROPIONIC ACID COMPLEX, LIQUID	8	–	II	–	500 mL	E2	P001	–	IBC02	B20
1744	BROMINE or BROMINE SOLUTION	8	6.1	I	–	0	E0	P804	–	–	–
1745	BROMINE PENTAFLUORIDE	5.1	6.1/8	I	–	0	E0	P200	–	–	–
1746	BROMINE TRIFLUORIDE	5.1	6.1/8	I	–	0	E0	P200	–	–	–
1747	BUTYLTRICHLOROSILANE	8	3	II	–	0	E0	P010	–	–	–
1748	CALCIUM HYPOCHLORITE, DRY or CALCIUM HYPOCHLORITE MIXTURE, DRY with more than 39% available chlorine (8.8% available oxygen)	5.1	– P	II	314	1 kg	E2	P002	PP85	–	–
1748	CALCIUM HYPOCHLORITE, DRY or CALCIUM HYPOCHLORITE MIXTURE, DRY with more than 39% available chlorine (8.8% available oxygen)	5.1	– P	III	316	5 kg	E1	P002	PP85	–	–
1749	CHLORINE TRIFLUORIDE	2.3	5.1/8	–	–	0	E0	P200	–	–	–
1750	CHLOROACETIC ACID SOLUTION	6.1	8	II	–	100 mL	E4	P001	–	IBC02	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T8	TP2	F-A, S-B	Category A	SGG1 SG36 SG49	Highly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	1743
–	T22	TP2 TP10 TP13	F-A, S-B	Category D SW1 SW2 H2	SGG1 SG6 SG16 SG17 SG19 SG36 SG49	Very dark brown, heavy liquid with an extremely irritating odour. Density: 3.1 (pure product). Boiling point: 59°C. Powerful oxidant; may cause fire in contact with organic materials such as wood, cotton or straw. Highly corrosive to most metals. Solutions have the same properties to a lesser degree, depending on concentration. Toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	1744
–	T22	TP2 TP13	F-A, S-B	Category D SW1 SW2	SGG1 SG6 SG16 SG19 SG36 SG49	Colourless, heavy liquid with an extremely irritating odour. Boiling point: 40°C. Powerful oxidant; may cause fire in contact with organic material such as wood, cotton or straw. Reacts violently with water, evolving hydrogen fluoride, a toxic, extremely corrosive gas apparent as white fumes. In contact with acids or acid fumes, evolves highly toxic fumes of bromine, fluorine and their compounds. Highly corrosive to most metals. Toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	1745
–	T22	TP2 TP13	F-A, S-B	Category D SW1 SW2	SGG1 SG6 SG16 SG19 SG36 SG49	Colourless, heavy liquid with an extremely irritating odour. Powerful oxidant; may cause fire in contact with organic material such as wood, cotton or straw. Reacts violently with water, evolving hydrogen fluoride, a toxic, extremely corrosive gas apparent as white fumes. In contact with acids or acid fumes, evolves highly toxic fumes of bromine, fluorine and their compounds. Highly corrosive to most metals. Toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	1746
–	T10	TP2 TP7 TP13	F-E, S-C	Category C SW2	SGG1 SG36 SG49	Colourless, flammable liquid with a pungent odour. Flashpoint: 52°C c.c. Reacts violently with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. When involved in a fire, evolves toxic gases. In the presence of moisture, highly corrosive to most metals. Vapour irritates mucous membranes.	1747
–	–	–	F-H, S-Q	Category D SW1 SW11	SGG8 SG35 SG38 SG49 SG53 SG60	White or yellowish solid (powder, granules or tablets) with chlorine-like odour. Soluble in water. May cause fire in contact with organic material or ammonium compounds. Substances are liable to exothermic decomposition at elevated temperatures. This condition may lead to fire or explosion. Decomposition can be initiated by heat or by impurities (e.g. powdered metals (iron, manganese, cobalt, magnesium) and their compounds). Liable to heat slowly. Reacts with acids, evolving chlorine, an irritating, corrosive and toxic gas. In the presence of moisture, corrosive to most metals. Dust irritates mucous membranes.	1748
–	–	–	F-H, S-Q	Category D SW1 SW11	SGG8 SG35 SG38 SG49 SG53 SG60	See entry above.	1748
–	–	–	F-C, S-W	Category D SW2	SG6 SG19	Non-flammable, toxic and corrosive gas. Forms dense, white, corrosive fumes in moist air. Reacts violently with water, evolving hydrogen fluoride, an irritating and corrosive gas apparent as white fumes. Corrosive to glass and to most metals. Powerful oxidizing agent which may cause fires with combustible materials. Much heavier than air. Highly irritating to skin, eyes and mucous membranes.	1749
–	T7	TP2	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Colourless liquid. Corrosive to most metals. Toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	1750

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1751	CHLOROACETIC ACID, SOLID	6.1	8	II	–	500 g	E4	P002	–	IBC08	B4 B21
△ 1752	CHLOROACETYL CHLORIDE	6.1	8	I	354	0	E0	P602	–	–	–
1753	CHLOROPHENYL-TRICHLOROSILANE	8	– P	II	–	0	E2	P010	–	–	–
1754	CHLOROSULPHONIC ACID (with or without sulphur trioxide)	8	–	I	–	0	E0	P001	–	–	–
1755	CHROMIC ACID SOLUTION	8	–	II	–	1 L	E2	P001	–	IBC02	B20
1755	CHROMIC ACID SOLUTION	8	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
1756	CHROMIC FLUORIDE, SOLID	8	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
1757	CHROMIC FLUORIDE SOLUTION	8	–	II	–	1 L	E2	P001	–	IBC02	–
1757	CHROMIC FLUORIDE SOLUTION	8	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
1758	CHROMIUM OXYCHLORIDE	8	–	I	–	0	E0	P001	–	–	–
1759	CORROSIVE SOLID, N.O.S.	8	–	I	274	0	E0	P002	–	IBC07	B1
1759	CORROSIVE SOLID, N.O.S.	8	–	II	274	1 kg	E2	P002	–	IBC08	B4 B21
1759	CORROSIVE SOLID, N.O.S.	8	–	III	223 274	5 kg	E1	P002 LP02	–	IBC08	B3
1760	CORROSIVE LIQUID, N.O.S.	8	–	I	274	0	E0	P001	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T3	TP33	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Colourless, very deliquescent crystals. Melting point may be as low as 50°C. In the presence of moisture, corrosive to most metals. Toxic if swallowed, by skin contact or by dust inhalation. Causes burns to skin, eyes and mucous membranes.	1751
–	T20	TP2 TP13	F-A, S-B	Category D SW2	SGG1 SG36 SG49	Colourless liquid, with extremely irritating odour, causing tears. Reacts violently with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. In the presence of moisture, highly corrosive to most metals. Highly toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	1752
–	T10	TP2 TP7	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Colourless liquid with a pungent odour. Reacts violently with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. When involved in a fire, evolves toxic gases. In the presence of moisture, highly corrosive to most metals. Irritating to skin, eyes and mucous membranes.	1753
–	T20	TP2	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Colourless liquid with a pungent odour. Reacts violently with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. In the presence of moisture, highly corrosive to most metals. Causes severe burns to skin, eyes and mucous membranes.	1754
–	T8	TP2	F-A, S-B	Category C SW2	SGG1 SG6 SG8 SG10 SG12 SG36 SG49	Orange liquid. Powerful oxidant. May cause fire in contact with organic materials such as wood, cotton or straw. Highly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	1755
–	T4	TP1	F-A, S-B	Category C SW2	SGG1 SG6 SG8 SG10 SG12 SG36 SG49	See entry above.	1755
–	T3	TP33	F-A, S-B	Category A	SGG1 SG35 SG36 SG49	Green or violet crystals. Slightly soluble in water. Reacts with strong acids, evolving hydrogen fluoride, an extremely irritating and corrosive gas. Mildly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	1756
–	T7	TP2	F-A, S-B	Category A	SGG1 SG36 SG49	Green liquid. Reacts with strong acids, evolving hydrogen fluoride, an extremely irritating and corrosive gas. Mildly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	1757
–	T4	TP1	F-A, S-B	Category A	SGG1 SG36 SG49	See entry above.	1757
–	T10	TP2	F-A, S-B	Category C SW2	SGG1 SG6 SG16 SG17 SG19 SG36 SG49	Dark red liquid. Reacts violently with water, evolving hydrogen chloride and chlorine, both highly irritating and corrosive gases apparent as white fumes. Oxidant; may cause fire in contact with organic materials such as wood, cotton or straw. Highly corrosive to most metals. Causes severe burns to skin, eyes and mucous membranes.	1758
–	T6	TP33	F-A, S-B	Category B	–	Causes burns to skin, eyes and mucous membranes.	1759
–	T3	TP33	F-A, S-B	Category A	–	See entry above.	1759
–	T1	TP33	F-A, S-B	Category A	–	See entry above.	1759
–	T14	TP2 TP27	F-A, S-B	Category B SW2	–	Causes burns to skin, eyes and mucous membranes.	1760

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1760	CORROSIVE LIQUID, N.O.S.	8	–	II	274	1 L	E2	P001	–	IBC02	–
1760	CORROSIVE LIQUID, N.O.S.	8	–	III	223 274	5 L	E1	P001 LP01	–	IBC03	–
1761	CUPRIETHYLENEDIAMINE SOLUTION	8	6.1 P	II	–	1 L	E2	P001	–	IBC02	–
1761	CUPRIETHYLENEDIAMINE SOLUTION	8	6.1 P	III	223	5 L	E1	P001	–	IBC03	–
1762	CYCLOHEXYLTRICHLORO-SILANE	8	–	II	–	0	E0	P010	–	–	–
1763	CYCLOHEXYLTRICHLORO-SILANE	8	–	II	–	0	E0	P010	–	–	–
1764	DICHLOROACETIC ACID	8	–	II	–	1 L	E2	P001	–	IBC02	B20
1765	DICHLOROACETYL CHLORIDE	8	–	II	–	1 L	E2	P001	–	IBC02	–
1766	DICHLOROPHENYL-TRICHLOROSILANE	8	– P	II	–	0	E0	P010	–	–	–
1767	DIETHYLDICHLOROSILANE	8	3	II	–	0	E0	P010	–	–	–
1768	DIFLUOROPHOSPHORIC ACID, ANHYDROUS	8	–	II	–	1 L	E2	P001	–	IBC02	B20
1769	DIPHENYLDICHLOROSILANE	8	–	II	–	0	E0	P010	–	–	–
1770	DIPHENYLMETHYL BROMIDE	8	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
1771	DODECYLTRICHLOROSILANE	8	–	II	–	0	E0	P010	–	–	–
1773	FERRIC CHLORIDE, ANHYDROUS	8	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T11	TP2 TP27	F-A, S-B	Category B SW2	–	Causes burns to skin, eyes and mucous membranes.	1760
–	T7	TP1 TP28	F-A, S-B	Category A SW2	–	See entry above.	1760
–	T7	TP2	F-A, <u>S-B</u>	Category A	SG35	Dark purple liquid with an ammonia-like odour. Corrosive to copper, aluminium, zinc and tin. Toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	1761
–	T7	TP1 TP28	F-A, <u>S-B</u>	Category A	SG35	See entry above.	1761
–	T10	TP2 TP7 TP13	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Colourless liquid with a pungent odour. Reacts violently with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. When involved in a fire, evolves toxic gases. In the presence of moisture, highly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	1762
–	T10	TP2 TP7 TP13	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Colourless liquid with a pungent odour. Reacts violently with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. When involved in a fire, evolves toxic gases. In the presence of moisture, highly corrosive to most metals. Vapour irritates mucous membranes.	1763
–	T8	TP2	F-A, S-B	Category A	SGG1 SG36 SG49	Colourless liquid. Melting point: –4°C. Highly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	1764
–	T7	TP2	F-A, S-B	Category D SW2	SGG1 SG36 SG49	Colourless liquid with an extremely irritating odour, causing tears. Reacts violently with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. In the presence of moisture, highly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	1765
–	T10	TP2 TP7 TP13	F-A, <u>S-B</u>	Category C SW2	SGG1 SG36 SG49	Colourless liquid with a pungent odour. Reacts violently with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. When involved in a fire, evolves toxic gases. In the presence of moisture, highly corrosive to most metals. Irritating to skin, eyes and mucous membranes.	1766
–	T10	TP2 TP7 TP13	F-E, S-C	Category C SW2	SGG1 SG36 SG49	Colourless, flammable liquid with a pungent odour. Flashpoint: 25°C c.c. Reacts violently with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. When involved in a fire, evolves toxic gases. In the presence of moisture, highly corrosive to most metals. Vapour irritates mucous membranes.	1767
–	T8	TP2	F-A, S-B	Category A SW2	SGG1 SG36 SG49	Colourless liquid. In the presence of moisture, highly corrosive to glass and other siliceous materials. Harmful if swallowed.	1768
–	T10	TP2 TP7 TP13	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Colourless liquid with a pungent odour. Reacts violently with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. When involved in a fire, evolves toxic gases. In the presence of moisture, highly corrosive to most metals. Vapour irritates mucous membranes.	1769
–	T3	TP33	F-A, S-B	Category D SW2	SGG1 SG36 SG49	Solid with an irritating odour. Causes tears. Melting point: 45°C. In the presence of moisture, corrosive to most metals. Vapour irritates mucous membranes.	1770
–	T10	TP2 TP7 TP13	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Colourless liquid with a pungent odour. Reacts violently with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. When involved in a fire, evolves toxic gases. In the presence of moisture, highly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	1771
–	T1	TP33	F-A, S-B	Category A	SGG1 SG36 SG49	Brown solid. In the presence of moisture, highly corrosive to most metals. The provisions of this Code should not apply to the solid hydrated form.	1773

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1774	FIRE EXTINGUISHER CHARGES, corrosive liquid	8	–	II	–	1 L	E0	P001	PP4	–	–
1775	FLUOROBORIC ACID	8	–	II	–	1 L	E2	P001	–	IBC02	–
1776	FLUOROPHOSPHORIC ACID, ANHYDROUS	8	–	II	–	1 L	E2	P001	–	IBC02	B20
1777	FLUOROSULPHONIC ACID	8	–	I	–	0	E0	P001	–	–	–
1778	FLUOROSILICIC ACID	8	–	II	–	1 L	E2	P001	–	IBC02	B20
1779	FORMIC ACID with more than 85% acid, by mass	8	3	II	–	1 L	E2	P001	–	IBC02	–
1780	FUMARYL CHLORIDE	8	–	II	–	1 L	E2	P001	–	IBC02	–
1781	HEXADECYLTRICHLOROSILANE	8	–	II	–	0	E0	P010	–	–	–
1782	HEXAFLUOROPHOSPHORIC ACID	8	–	II	–	1 L	E2	P001	–	IBC02	B20
1783	HEXAMETHYLENEDIAMINE SOLUTION	8	–	II	–	1 L	E2	P001	–	IBC02	–
1783	HEXAMETHYLENEDIAMINE SOLUTION	8	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
1784	HEXYLTRICHLOROSILANE	8	–	II	–	0	E0	P010	–	–	–
1786	HYDROFLUORIC ACID AND SULPHURIC ACID MIXTURE	8	6.1	I	–	0	E0	P001	–	–	–
1787	HYDRIODIC ACID	8	–	II	–	1 L	E2	P001	–	IBC02	–
1787	HYDRIODIC ACID	8	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
1788	HYDROBROMIC ACID	8	–	II	–	1 L	E2	P001	–	IBC02	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
(12)	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-A, S-B	Category A	–	Usually, diluted sulphuric acid in small glass receptacles.	1774
–	T7	TP2	F-A, S-B	Category A	SGG1 SG36 SG49	Colourless, clear liquid. Corrosive to most metals. May cause severe burns to skin, eyes and mucous membranes if containing free hydrofluoric acid.	1775
–	T8	TP2	F-A, S-B	Category A	SGG1 SG36 SG49	Colourless liquid. In the presence of moisture, highly corrosive to glass, other siliceous materials and most metals. Causes burns to skin, eyes and mucous membranes.	1776
–	T10	TP2	F-A, S-B	Category D SW2	SGG1a SG36 SG49	Colourless liquid with a pungent odour. Reacts violently with water, evolving hydrogen fluoride, an extremely irritating and corrosive gas apparent as white fumes. In the presence of moisture, highly corrosive to glass, other siliceous materials and most metals. Causes severe burns to skin, eyes and mucous membranes.	1777
–	T8	TP2	F-A, S-B	Category A	SGG1 SG36 SG49	Colourless liquid. Highly corrosive to most metals. May cause severe burns to skin, eyes and mucous membranes if containing free hydrofluoric acid.	1778
–	T7	TP2	F-E, S-C	Category A SW2	SGG1 SG36 SG49	Colourless flammable liquid with a pungent odour. Pure FORMIC ACID: flashpoint 42°C c.c. Corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	1779
–	T7	TP2	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Yellow liquid. Reacts violently with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. In the presence of moisture, highly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	1780
–	T10	TP2 TP7 TP13	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Colourless liquid with a pungent odour. Reacts violently with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. When involved in a fire, evolves toxic gases. In the presence of moisture, highly corrosive to most metals. Vapour irritates mucous membranes.	1781
–	T8	TP2	F-A, S-B	Category A	SGG1 SG36 SG49	Colourless liquid. In the presence of moisture, highly corrosive to glass, other siliceous materials and most metals. Causes burns to skin, eyes and mucous membranes. Harmful if swallowed.	1782
–	T7	TP2	F-A, S-B	Category A	SG35	Colourless liquid. Causes burns to skin, eyes and mucous membranes.	1783
–	T4	TP1	F-A, S-B	Category A	SG35	See entry above.	1783
–	T10	TP2 TP7 TP13	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Colourless liquid with a pungent odour. Reacts violently with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. When involved in a fire, evolves toxic gases. In the presence of moisture, highly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	1784
–	T10	TP2 TP13	F-A, S-B	Category D SW2	SGG1a SG36 SG49	Colourless syrupy liquid with a pungent odour. Mixture consists of between 70% and 80% by mass of acids and contains not less than 25% by mass of hydrofluoric acid. Reacts violently with water, developing heat. Highly corrosive to glass, other siliceous materials and most metals. Toxic if swallowed, by skin contact or by inhalation. Causes severe burns to skin and mucous membranes.	1786
–	T7	TP2	F-A, S-B	Category C	SGG1a SG36 SG49	Colourless liquid. An aqueous solution of the gas hydrogen iodide. Highly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	1787
–	T4	TP1	F-A, S-B	Category C	SGG1a SG36 SG49	See entry above.	1787
–	T7	TP2	F-A, S-B	Category C	SGG1a SG36 SG49	Colourless liquid. An aqueous solution of the gas hydrogen bromide. Highly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	1788

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1788	HYDROBROMIC ACID	8	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
1789	HYDROCHLORIC ACID	8	–	II	–	1 L	E2	P001	–	IBC02	B20
1789	HYDROCHLORIC ACID	8	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
1790	HYDROFLUORIC ACID, with more than 60% hydrogen fluoride	8	6.1	I	–	0	E0	P802	PP79 PP81	–	–
1790	HYDROFLUORIC ACID, with not more than 60% hydrogen fluoride	8	6.1	II	–	1 L	E2	P001	PP81	IBC02	B20
1791	HYPOCHLORITE SOLUTION	8	– P	II	274 900	1 L	E2	P001	PP10	IBC02	B5
1791	HYPOCHLORITE SOLUTION	8	– P	III	223 274 900	5 L	E1	P001 LP01	–	IBC03	–
1792	IODINE MONOCHLORIDE, SOLID	8	–	II	–	1 kg	E0	P002	–	IBC08	B4 B21
1793	ISOPROPYL ACID PHOSPHATE	8	–	III	–	5 L	E1	P001 LP01	–	IBC02	–
1794	LEAD SULPHATE with more than 3% free acid	8	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
1796	NITRATING ACID MIXTURE with more than 50% nitric acid	8	5.1	I	–	0	E0	P001	–	–	–
1796	NITRATING ACID MIXTURE with not more than 50% nitric acid	8	–	II	–	1 L	E0	P001	–	IBC02	B20
1798	NITROHYDROCHLORIC ACID	8	–	I	–	0	E0	P802	–	–	–
1799	NONYLTRICHLOROSILANE	8	–	II	–	0	E0	P010	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T4	TP1	F-A, S-B	Category C	SGG1a SG36 SG49	Colourless liquid. An aqueous solution of the gas hydrogen bromide. Highly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	1788
–	T8	TP2	F-A, S-B	Category C	SGG1a SG36 SG49	Colourless liquid. An aqueous solution of the gas hydrogen chloride. Highly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	1789
–	T4	TP1	F-A, S-B	Category C	SGG1a SG36 SG49	See entry above.	1789
–	T10	TP2 TP13	F-A, S-B	Category D SW1 SW2 H2	SGG1a SG36 SG49	Colourless liquid with an irritating odour. Highly corrosive to glass, other siliceous materials and most metals. Toxic if swallowed, by skin contact or by inhalation. Both the liquid and its fumes cause severe burns to skin, eyes and mucous membranes.	1790
–	T8	TP2	F-A, S-B	Category D SW1 SW2 H2	SGG1a SG36 SG49	See entry above.	1790
–	T7	TP2 TP24	F-A, <u>S-B</u>	Category B	SGG8 SG20	Liquid with chlorine odour. In contact with acids, evolves very irritating and corrosive gases. Mildly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	1791
–	T4	TP2 TP24	F-A, <u>S-B</u>	Category B	SGG8 SG20	See entry above.	1791
–	T7	TP2	F-A, S-B	Category D SW2	SGG1 SG6 SG16 SG17 SG19 SG36 SG49	Red, brown or black crystals. Reacts violently with water, evolving irritating and corrosive gases apparent as white fumes. Powerful oxidant; may cause fire in contact with organic materials such as wood, cotton or straw. In the presence of moisture, highly corrosive to most metals. Vapour irritates mucous membranes.	1792
–	T4	TP1	F-A, S-B	Category A	SGG1 SG36 SG49	Oily liquid. Mildly corrosive to most metals.	1793
–	T3	TP33	F-A, S-B	Category A	SGG1 SGG7 SGG9 SG36 SG49	May be dry solid or slurry. Corrosive to most metals. Harmful if swallowed.	1794
–	T10	TP2 TP13	F-A, S-Q	Category D SW2	SGG1a SG16 SG36 SG49	Mixture of concentrated nitric and sulphuric acids. Oxidant; may cause fire in contact with organic materials such as wood, cotton or straw, developing highly toxic gas (brown fumes). Highly corrosive to most metals. Causes severe burns to skin, eyes and mucous membranes.	1796
–	T8	TP2 TP13	F-A, S-B	Category D SW2	SGG1a SG36 SG49	See entry above.	1796
–	T10	TP2 TP13	F-A, S-B	Category D SW2	SGG1a SG6 SG16 SG17 SG19 SG36 SG49	Yellow liquid; a mixture of nitric acid and hydrochloric acid, usually in the proportion of 1:3. Powerful oxidant; may cause fire in contact with organic materials such as wood, cotton or straw, evolving suffocating and highly toxic gases. Highly corrosive to all metals. Causes severe burns to skin, eyes and mucous membranes.	1798
–	T10	TP2 TP7 TP13	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Colourless liquid with a pungent odour. Reacts violently with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. When involved in a fire, evolves toxic gases. In the presence of moisture, highly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	1799

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1800	OCTADECYLTRICHLORO-SILANE	8	–	II	–	0	E0	P010	–	–	–
1801	OCTYLTRICHLOROSILANE	8	–	II	–	0	E0	P010	–	–	–
1802	PERCHLORIC ACID with not more than 50% acid, by mass	8	5.1	II	–	1 L	E0	P001	–	IBC02	–
1803	PHENOLSULPHONIC ACID, LIQUID	8	–	II	–	1 L	E2	P001	–	IBC02	–
1804	PHENYLTRICHLOROSILANE	8	–	II	–	0	E0	P010	–	–	–
1805	PHOSPHORIC ACID, SOLUTION	8	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
1806	PHOSPHORUS PENTACHLORIDE	8	–	II	–	1 kg	E0	P002	–	IBC08	B4 B21
1807	PHOSPHORUS PENTOXIDE	8	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
1808	PHOSPHORUS TRIBROMIDE	8	–	II	–	1 L	E0	P001	–	IBC02	–
△ 1809	PHOSPHORUS TRICHLORIDE	6.1	8	I	354	0	E0	P602	–	–	–
△ 1810	PHOSPHORUS OXYCHLORIDE	6.1	8	I	354	0	E0	P602	–	–	–
1811	POTASSIUM HYDROGEN DIFLUORIDE, SOLID	8	6.1	II	–	1 kg	E2	P002	–	IBC08	B4 B21
1812	POTASSIUM FLUORIDE, SOLID	6.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T10	TP2 TP7 TP13	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Colourless liquid with a pungent odour. Reacts violently with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. When involved in a fire, evolves toxic gases. In the presence of moisture, highly corrosive to most metals. Vapour irritates mucous membranes.	1800
–	T10	TP2 TP7 TP13	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Colourless liquid with a pungent odour. Reacts violently with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. When involved in a fire, evolves toxic gases. In the presence of moisture, highly corrosive to most metals. Vapour irritates mucous membranes.	1801
–	T7	TP2	F-H, S-Q	Category C	SGG1a SG16 SG36 SG49	Colourless liquid. Oxidant. Highly corrosive to most metals.	1802
–	T7	TP2	F-A, S-B	Category C SW15	SGG1 SG36 SG49	Yellow, oily liquid. Corrosive to most metals.	1803
–	T10	TP2 TP7 TP13	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Colourless liquid with a pungent odour. Reacts violently with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. When involved in a fire, evolves toxic gases. In the presence of moisture, highly corrosive to most metals. Vapour irritates mucous membranes.	1804
–	T4	TP1	F-A, S-B	Category A	SGG1 SG36 SG49	Miscible in water. Mildly corrosive to most metals.	1805
–	T3	TP33	F-A, S-B	Category C SW2	SGG1 SG6 SG8 SG10 SG12 SG36 SG49	Colourless, crystalline powder. Reacts violently with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. Powerful oxidant; may cause fire in contact with organic materials such as wood, cotton or straw. In the presence of moisture, highly corrosive to most metals.	1806
–	T3	TP33	F-A, S-B	Category A	SGG1 SG36 SG49	Crystalline powder, very deliquescent. Reacts violently with water and organic materials such as wood, cotton or straw, generating heat. In the presence of moisture, mildly corrosive to most metals.	1807
–	T7	TP2	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Colourless liquid with a pungent odour. Reacts violently with water, evolving hydrogen bromide, an irritating and corrosive gas apparent as white fumes. In the presence of moisture, highly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	1808
–	T20	TP2 TP13	F-A, S-B	Category D SW2	SGG1 SG36 SG49	Colourless liquid with a pungent odour. Reacts violently with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. In the presence of moisture, highly corrosive to most metals. Highly toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	1809
–	T20	TP2 TP13	F-A, S-B	Category D SW2	SGG1 SG36 SG49	Colourless liquid with a pungent odour. Reacts violently with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. In the presence of moisture, highly corrosive to most metals. Causes burns to skin, eyes and mucous membranes. Highly toxic if swallowed, by skin contact or by inhalation.	1810
–	T3	TP33	F-A, S-B	Category A SW1 SW2	SGG1 SG35 SG36 SG49	White crystalline solid. Decomposed by heat or acids, evolving hydrogen fluoride, a toxic, extremely irritating and corrosive gas apparent as white fumes. In the presence of moisture, highly corrosive to glass, other siliceous materials and most metals. Toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	1811
–	T1	TP33	F-A, S-A	Category A	SG35	White, deliquescent crystals or powder. Decomposed by acids, evolving hydrogen fluoride, an irritating and corrosive gas. Toxic if swallowed, by skin contact or by inhalation.	1812

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1813	POTASSIUM HYDROXIDE, SOLID	8	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
1814	POTASSIUM HYDROXIDE SOLUTION	8	–	II	–	1 L	E2	P001	–	IBC02	–
1814	POTASSIUM HYDROXIDE SOLUTION	8	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
1815	PROPIONYL CHLORIDE	3	8	II	–	1 L	E2	P001	–	IBC02	–
1816	PROPYLTRICHLOROSILANE	8	3	II	–	0	E0	P010	–	–	–
1817	PYROSULPHURYL CHLORIDE	8	–	II	–	1 L	E2	P001	–	IBC02	–
1818	SILICON TETRACHLORIDE	8	–	II	–	0	E0	P010	–	–	–
1819	SODIUM ALUMINATE SOLUTION	8	–	II	–	1 L	E2	P001	–	IBC02	–
1819	SODIUM ALUMINATE SOLUTION	8	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
1823	SODIUM HYDROXIDE, SOLID	8	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
1824	SODIUM HYDROXIDE SOLUTION	8	–	II	–	1 L	E2	P001	–	IBC02	–
1824	SODIUM HYDROXIDE SOLUTION	8	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
1825	SODIUM MONOXIDE	8	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
1826	NITRATING ACID MIXTURE, SPENT, with more than 50% nitric acid	8	5.1	I	113	0	E0	P001	–	–	–
1826	NITRATING ACID MIXTURE, SPENT, with not more than 50% nitric acid	8	–	II	113	1 L	E0	P001	–	IBC02	B20
1827	STANNIC CHLORIDE, ANHYDROUS	8	–	II	–	1 L	E2	P001	–	IBC02	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T3	TP33	F-A, S-B	Category A	SGG18 SG35	White pellets, flakes, lumps or solid blocks, deliquescent. Reacts with ammonium salts, evolving ammonia gas. In the presence of moisture, corrosive to aluminium, zinc and tin. Causes burns to skin, eyes and mucous membranes. Reacts violently with acids.	1813
–	T7	TP2	F-A, S-B	Category A	SGG18 SG35	Colourless liquid. Reacts with ammonium salts, evolving ammonia gas. Corrosive to aluminium, zinc and tin. Causes burns to skin, eyes and mucous membranes. Reacts violently with acids.	1814
–	T4	TP1	F-A, S-B	Category A	SGG18 SG35	See entry above.	1814
–	T7	TP1	F-E, S-C	Category B SW2	SGG1 SG36 SG49	Colourless liquid. Flashpoint: 12°C c.c. Reacts violently with water, evolving hydrogen chloride, an irritating and corrosive gas, apparent as white fumes. In the presence of moisture, highly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	1815
–	T10	TP2 TP7 TP13	F-E, S-C	Category C SW2	SGG1 SG36 SG49	Colourless, flammable liquid, with a pungent odour. Flashpoint: 38°C c.c. Reacts violently with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. When involved in a fire, evolves toxic gases. In the presence of moisture, highly corrosive to most metals. Vapour irritates mucous membranes.	1816
–	T8	TP2	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Colourless liquid with a pungent odour. Reacts violently with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. In the presence of moisture, highly corrosive to most metals. Vapour irritates mucous membranes.	1817
–	T10	TP2 TP7 TP13	F-A, S-B	Category C SW2	SGG1 SG36 SG49 SG72	Colourless, extremely mobile liquid with a suffocating odour. Reacts violently with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. In the presence of moisture, highly corrosive to most metals. Vapour irritates mucous membranes.	1818
–	T7	TP2	F-A, S-B	Category A	SGG18 SG35	Colourless liquid. Reacts with ammonium salts, evolving ammonia gas. Corrosive to aluminium, zinc and tin. Causes burns to skin, eyes and mucous membranes. Reacts violently with acids.	1819
–	T4	TP1	F-A, S-B	Category A	SGG18 SG35	See entry above.	1819
–	T3	TP33	F-A, S-B	Category A	SGG18 SG35	White pellets, flakes, lumps or solid blocks, deliquescent. Reacts with ammonium salts, evolving ammonia gas. In the presence of moisture, corrosive to aluminium, zinc and tin. Causes burns to skin, eyes and mucous membranes. Reacts violently with acids.	1823
–	T7	TP2	F-A, S-B	Category A	SGG18 SG35	Colourless liquid. Corrosive to aluminium, zinc and tin. Reacts with ammonium salts, evolving ammonia gas. Causes burns to skin, eyes and mucous membranes. Reacts violently with acids.	1824
–	T4	TP1	F-A, S-B	Category A	SGG18 SG35	See entry above.	1824
–	T3	TP33	F-A, S-B	Category A	SGG18 SG35	Deliquescent crystalline solid. Reacts violently with water and acids, generating heat. Reacts with ammonium salts, evolving ammonia gas. In the presence of moisture, corrosive to aluminium, zinc and tin. Causes burns to skin, eyes and mucous membranes.	1825
–	T10	TP2 TP13	F-A, S-Q	Category D SW2	SGG1a SG16 SG36 SG49	Usually a mixture of acids which has been used for nitration processes. Highly corrosive to most metals. Causes severe burns to skin, eyes and mucous membranes. Prohibited for shipment unless the mixture is (1) chemically stable; and (2) certified as containing no explosive impurities.	1826
–	T8	TP2	F-A, S-B	Category D SW2	SGG1a SG36 SG49	See entry above.	1826
–	T7	TP2	F-A, S-B	Category C	SGG1 SG36 SG49	Colourless liquid. In the presence of water, corrosive to most metals. Vapour irritates mucous membranes.	1827

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1828	SULPHUR CHLORIDES	8	–	I	–	0	E0	P602	–	–	–
1829	SULPHUR TRIOXIDE, STABILIZED	8	–	I	386	0	E0	P001	–	–	–
1830	SULPHURIC ACID with more than 51% acid	8	–	II	–	1 L	E2	P001	–	IBC02	B20
1831	SULPHURIC ACID, FUMING	8	6.1	I	–	0	E0	P602	–	–	–
1832	SULPHURIC ACID, SPENT	8	–	II	113	1 L	E0	P001	–	IBC02	B20
1833	SULPHUROUS ACID	8	–	II	–	1 L	E2	P001	–	IBC02	–
△ 1834	SULPHURYL CHLORIDE	6.1	8	I	354	0	E0	P602	–	–	–
1835	TETRAMETHYLAMMONIUM HYDROXIDE SOLUTION	8	–	II	–	1 L	E2	P001	–	IBC02	–
1835	TETRAMETHYLAMMONIUM HYDROXIDE SOLUTION	8	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
1836	THIONYL CHLORIDE	8	–	I	–	0	E0	P802	–	–	–
1837	THIOPHOSPHORYL CHLORIDE	8	–	II	–	1 L	E0	P001	–	IBC02	–
△ 1838	TITANIUM TETRACHLORIDE	6.1	8	I	354	0	E0	P602	–	–	–
1839	TRICHLOROACETIC ACID, SOLID	8	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
1840	ZINC CHLORIDE SOLUTION	8	– P	III	223	5 L	E1	P001 LP01	–	IBC03	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T20	TP2	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Red liquids with a suffocating odour. React violently with water, evolving hydrogen chloride and sulphur dioxide, irritating and corrosive gases. In the presence of moisture, highly corrosive to most metals. Causes severe burns to skin, eyes and mucous membranes.	1828
–	T20	TP4 TP13 TP25 TP26	F-A, S-B	Category C SW1 SW2	SGG1 SG36 SG49	Very deliquescent solid. Melting point may be as low as 17°C. Reacts violently with water, generating heat. May cause fire in contact with organic materials such as wood, cotton or straw. In the presence of moisture, highly corrosive to most metals. Causes severe burns to skin, eyes and mucous membranes.	1829
–	T8	TP2	F-A, S-B	Category C SW15	SGG1a SG36 SG49	Colourless, oily liquid, mixture over 1.41 up to 1.84 relative density. In the presence of moisture, highly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	1830
–	T20	TP2 TP13	F-A, S-B	Category C SW2 SW15	SGG1a SG36 SG49	Colourless, oily liquid, may be partly crystallized. Solution of varying quantities of sulphur trioxide in sulphuric acid. Reacts violently with water and organic material, generating heat. In the presence of moisture, highly corrosive to most metals. Toxic if swallowed, by skin contact or by inhalation. Causes severe burns to skin, eyes and mucous membranes.	1831
–	T8	TP2	F-A, S-B	Category C SW15	SGG1a SG36 SG49	Sulphuric acid, usually of high concentration, which has been used for chemical processes. Highly corrosive to most metals.	1832
–	T7	TP2	F-A, S-B	Category B SW2	SGG1 SG36 SG49	Solution of sulphur dioxide in water, with a suffocating odour. Corrosive to most metals. Vapour irritates mucous membranes.	1833
–	T20	TP2 TP13	F-A, S-B	Category D SW2	SGG1 SG36 SG49	Colourless liquid with a pungent odour. Boiling point: 69°C. Reacts violently with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. In the presence of moisture, highly corrosive to most metals. Causes severe burns to skin, eyes and mucous membranes. Highly toxic if swallowed, by skin contact or by inhalation.	1834
–	T7	TP2	F-A, S-B	Category A	SGG2 SGG18 SG35	Miscible with water. Reacts violently with acids.	1835
–	T7	TP2	F-A, S-B	Category A	SGG2 SGG18 SG35	See entry above.	1835
–	T10	TP2 TP13	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Yellow or red liquid. Boiling point: 79°C. Reacts violently with water, evolving hydrogen chloride and sulphur dioxide, irritating and corrosive gases. In the presence of moisture, highly corrosive to most metals. Causes severe burns to skin, eyes and mucous membranes.	1836
–	T7	TP2	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Colourless liquid with a pungent odour. Reacts violently with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. In the presence of moisture, highly corrosive to most metals. Vapour irritates mucous membranes.	1837
–	T20	TP2 TP13	F-A, S-B	Category D SW2	SGG1 SGG7 SG36 SG49	Colourless liquid. Reacts violently with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. In the presence of moisture, highly corrosive to most metals. Highly toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	1838
–	T3	TP33	F-A, S-B	Category A	SGG1 SG36 SG49	Colourless, deliquescent crystals. Melting point of the pure substance: 58°C. In the presence of moisture, corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	1839
–	T4	TP2	F-A, S-B	Category A	SGG1 SGG7 SG36 SG49	Colourless liquid. Mildly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	1840

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1841	ACETALDEHYDE AMMONIA	9	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3 B6
1843	AMMONIUM DINITRO- <i>o</i> -CRESOLATE, SOLID	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
1845	CARBON DIOXIDE, SOLID (DRY ICE)	9	–	–	–	0	E0	P003	PP18	–	–
1846	CARBON TETRACHLORIDE	6.1	– P	II	–	100 mL	E4	P001	–	IBC02	–
1847	POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization	8	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
1848	PROPIONIC ACID with not less than 10% and less than 90% acid, by mass	8	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
1849	SODIUM SULPHIDE, HYDRATED with not less than 30% water	8	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
1851	MEDICINE, LIQUID, TOXIC, N.O.S.	6.1	–	II	221	100 mL	E4	P001	–	–	–
1851	MEDICINE, LIQUID, TOXIC, N.O.S.	6.1	–	III	221 223	5 L	E1	P001 LP01	–	–	–
1854	BARIUM ALLOYS, PYROPHORIC	4.2	–	I	–	0	E0	P404	PP31	–	–
1855	CALCIUM, PYROPHORIC or CALCIUM ALLOYS, PYROPHORIC	4.2	–	I	–	0	E0	P404	PP31	–	–
△ 1856	RAGS, OILY	4.2	–	–	29 123 973	0	E0	P003	PP19	IBC08	B3 B6
△ 1857	TEXTILE WASTE, WET	4.2	–	III	123	0	E1	P410	–	–	–
1858	HEXAFLUOROPROPYLENE (REFRIGERANT GAS R 1216)	2.2	–	–	–	120 mL	E1	P200	–	–	–
1859	SILICON TETRAFLUORIDE	2.3	8	–	–	0	E0	P200	–	–	–
1860	VINYL FLUORIDE, STABILIZED	2.1	–	–	386	0	E0	P200	–	–	–
1862	ETHYL CROTONATE	3	–	II	–	1 L	E2	P001	–	IBC02	–
1863	FUEL, AVIATION, TURBINE ENGINE	3	–	I	–	500 mL	E3	P001	–	–	–
1863	FUEL, AVIATION, TURBINE ENGINE	3	–	II	–	1 L	E2	P001	–	IBC02	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T1	TP33	F-A, S-B	Category A	SG29	White crystalline solid. Soluble in water. When heated, decomposes into ammonia and acetaldehyde.	1841
–	T3	TP33	F-A, <u>S-A</u>	Category B	SGG2 SG15 SG16 SG30 SG63	May support combustion and burn without oxygen. When involved in a fire, evolves toxic fumes. Forms extremely sensitive explosive compounds with lead, silver or other heavy metals and their compounds. Toxic if swallowed, by skin contact or by inhalation.	1843
–	–	–	F-C, S-V	Category C SW2	–	Non-flammable gas in a white solid form. Slowly evolves vapours which are heavier than air (1.5). Inhalation of vapours may lead to unconsciousness. Can cause severe burns when in contact with the skin.	1845
–	T7	TP2	F-A, <u>S-A</u>	Category A SW2	SGG10	Colourless, volatile liquid with a heavy anaesthetic vapour. Non-flammable; when involved in a fire, evolves extremely toxic fumes (phosgene). Toxic if swallowed, by skin contact or by inhalation.	1846
–	T3	TP33	F-A, S-B	Category A	SGG18 SG35	Crystalline solid. Melting point: 60°C. Reacts violently with acids, evolving hydrogen sulphide, a toxic and flammable gas. Mildly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	1847
–	T4	TP1	F-A, S-B	Category A	SGG1 SG36 SG49	Colourless liquid with a pungent odour. Miscible with water. Corrosive to lead and most other metals. Burns skin. Vapours irritate mucous membranes.	1848
–	T3	TP33	F-A, S-B	Category A	SGG18 SG35	Yellow-pink or white deliquescent crystals, flakes or lumps. Melting point: 50°C. Soluble in water. Reacts violently with acids, evolving hydrogen sulphide, a toxic and flammable gas. Mildly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	1849
–	–	–	F-A, S-A	Category C SW2	–	Toxic if swallowed, by skin contact or by inhalation.	1851
–	–	–	F-A, S-A	Category C SW2	–	See entry above.	1851
–	T21	TP7 TP33	F-G, S-M	Category D H1	SGG15 SG26	Liable to ignite spontaneously in air. If shaken, may produce sparks. In contact with water, evolve hydrogen, a flammable gas.	1854
–	–	–	F-G, S-M	Category D H1	SG26	Liable to ignite spontaneously in air. If shaken, may produce sparks. In contact with water, evolve hydrogen, a flammable gas.	1855
–	–	–	F-A, S-J	Category A	–	Liable to ignite spontaneously in air according to oil content.	1856
–	–	–	F-A, S-J	Category A	–	Liable to ignite spontaneously in air according to moisture content.	1857
–	T50	–	F-C, S-V	Category A	–	Non-flammable gas. Much heavier than air (5.2).	1858
–	–	–	F-C, S-U	Category D SW2	–	Non-flammable, toxic and corrosive gas with a pungent odour. Corrosive to metals. In moist air, produces hydrogen fluoride. Much heavier than air (3.6). Highly irritating to skin, eyes and mucous membranes.	1859
–	–	–	F-D, S-U	Category E SW1 SW2	–	Flammable gas. Explosive limits: 2.9% to 29%. Heavier than air (1.6).	1860
–	T4	TP2	F-E, S-D	Category B	–	Colourless liquid with a pungent odour. Flashpoint: 2°C c.c. Immiscible with water.	1862
–	T11	TP1 TP8 TP28	F-E, S-E	Category E	–	Boiling range: –14°C upwards. Immiscible with water.	1863
–	T4	TP1 TP8	F-E, S-E	Category B	–	Immiscible with water.	1863

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1863	FUEL, AVIATION, TURBINE ENGINE	3	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
1865	n-PROPYL NITRATE	3	–	II	26	1 L	E2	P001	–	–	–
1866	RESIN SOLUTION, flammable	3	–	I	–	500 mL	E3	P001	–	–	–
1866	RESIN SOLUTION, flammable	3	–	II	–	5 L	E2	P001	PP1	IBC02	–
1866	RESIN SOLUTION, flammable	3	–	III	223 955	5 L	E1	P001 LP01	PP1	IBC03	–
1868	DECABORANE	4.1	6.1	II	–	1 kg	E0	P002	PP31	IBC06	B21
1869	MAGNESIUM or MAGNESIUM ALLOYS with more than 50% magnesium in pellets, turnings or ribbons	4.1	–	III	59 920	5 kg	E1	P002 LP02	PP100 L3	IBC08	B4
1870	POTASSIUM BOROHYDRIDE	4.3	–	I	–	0	E0	P403	PP31	–	–
1871	TITANIUM HYDRIDE	4.1	–	II	–	1 kg	E2	P410	PP31 PP40	IBC04	–
1872	LEAD DIOXIDE	5.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
1873	PERCHLORIC ACID with more than 50% but not more than 72% acid, by mass	5.1	8	I	900	0	E0	P502	PP28	–	–
1884	BARIUM OXIDE	6.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
1885	BENZIDINE	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
1886	BENZYLIDENE CHLORIDE	6.1	–	II	–	100 mL	E4	P001	–	IBC02	–
1887	BROMOCHLOROMETHANE	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
1888	CHLOROFORM	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
1889	CYANOGEN BROMIDE	6.1	8 P	I	–	0	E0	P002	PP31	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T2	TP1	F-E, S-E	Category A	–	Immiscible with water.	1863
–	–	–	F-E, S-D	Category D	SG6 SG8 SG10 SG12	White to straw-coloured liquid with an ether-like odour. Flashpoint: 20°C c.c. Explosive limits: 2% to 100%. Immiscible with water. Oxidizing material. May explode on heating. Harmful if swallowed or by inhalation.	1865
–	T11	TP1 TP8 TP28	F-E, <u>S-E</u>	Category E	–	Miscibility with water depends upon the composition.	1866
–	T4	TP1 TP8	F-E, <u>S-E</u>	Category B	–	See entry above.	1866
–	T2	TP1	F-E, <u>S-E</u>	Category A	–	See entry above.	1866
–	T3	TP33	F-A, S-G	Category A	SG17	Colourless crystals. Slightly soluble in water. Vapours may form explosive mixture in air. Forms explosive and extremely sensitive mixtures with oxidizing substances. Toxic if swallowed, by skin contact or by dust inhalation.	1868
–	T1	TP33	F-G, S-G	Category A H1	SG17 SG25 SG26 SG32 SG35 SG36 SG52	Silvery white metal. Burns with an intense white light and heat. In contact with water, especially seawater, may evolve hydrogen, a flammable gas. Reacts readily with acids and caustic alkali, evolving hydrogen. Reacts readily with iron oxide, producing a thermite effect. Forms explosive mixtures with oxidizing substances.	1869
–	–	–	<u>F-G</u> , S-O	Category E H1	SG26 SG35	White, crystalline powder. In contact with water, acids or moisture evolves hydrogen, which may be ignited by the heat of the reaction.	1870
–	T3	TP33	F-A, S-G	Category E	–	Dark grey powder or crystals.	1871
–	T1	TP33	F-A, S-Q	Category A	SGG7 SGG9	Brown powder or crystals. Insoluble in water. Harmful if swallowed.	1872
–	T10	TP1	F-A, S-Q	Category D	SGG1a SG16 SG36 SG49	Colourless liquid. Mixtures with combustible material may ignite spontaneously and, when involved in a fire, by shock or by friction, may cause an explosion. Highly corrosive to most metals. Causes burns to skin, eyes and mucous membranes. Transport of PERCHLORIC ACID with more than 72% acid, by mass, is prohibited.	1873
–	T1	TP33	F-A, S-A	Category A	–	White solid. Evolves heat in contact with water. Toxic if swallowed, by skin contact or by dust inhalation.	1884
–	T3	TP33	F-A, S-A	Category A	–	White, crystalline solid. Toxic if swallowed, by skin contact or by inhalation.	1885
–	T7	TP2	F-A, S-A	Category D SW2	–	Colourless liquid evolving vapour which is irritating to eyes and skin (“Tear Gas”). Toxic if swallowed, by skin contact or by inhalation.	1886
–	T4	TP1	F-A, S-A	Category A	SGG10	Clear, colourless, volatile liquid with a chloroform-like odour. Immiscible with water. When involved in a fire, evolves extremely toxic fumes (phosgene). Toxic if swallowed, by skin contact or by inhalation.	1887
–	T7	TP2	F-A, S-A	Category A SW2	SGG10	Colourless, volatile liquid. Boiling point: 61°C. Non-flammable. When involved in a fire, evolves extremely toxic fumes (phosgene). Toxic if swallowed, by skin contact or by inhalation. Anaesthetic.	1888
–	T6	TP33	F-A, <u>S-B</u>	Category D SW2	SGG6 SG35	Colourless crystals evolving toxic vapour which is irritating and causes tears. Melting point: approximately 52°C. Boiling point: approximately 62°C. In contact with water evolves hydrogen bromide and hydrogen cyanide, which are highly toxic, flammable and corrosive gases. Highly toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	1889

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1891	ETHYL BROMIDE	6.1	–	II	–	100 mL	E4	P001	–	IBC02	B8
△ 1892	ETHYLDICHLOROARSINE	6.1	– P	I	354	0	E0	P602	–	–	–
1894	PHENYLMERCURIC HYDROXIDE	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
1895	PHENYLMERCURIC NITRATE	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
1897	TETRACHLOROETHYLENE	6.1	– P	III	–	5 L	E1	P001 LP01	–	IBC03	–
1898	ACETYL IODIDE	8	–	II	–	1 L	E2	P001	–	IBC02	–
1902	DIISOCTYL ACID PHOSPHATE	8	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
1903	DISINFECTANT, LIQUID, CORROSIVE, N.O.S.	8	–	I	274	0	E0	P001	–	–	–
1903	DISINFECTANT, LIQUID, CORROSIVE, N.O.S.	8	–	II	274	1 L	E2	P001	–	IBC02	–
1903	DISINFECTANT, LIQUID, CORROSIVE, N.O.S.	8	–	III	223 274	5 L	E1	P001 LP01	–	IBC03	–
1905	SELENIC ACID	8	–	I	–	0	E0	P002	–	IBC07	B1
1906	SLUDGE ACID	8	–	II	–	1 L	E0	P001	–	IBC02	–
1907	SODA LIME with more than 4% sodium hydroxide	8	–	III	62	5 kg	E1	P002 LP02	–	IBC08	B3
1908	CHLORITE SOLUTION	8	–	II	274 352	1 L	E2	P001	–	IBC02	–
1908	CHLORITE SOLUTION	8	–	III	223 274 352	5 L	E1	P001 LP01	–	IBC03	–
1910	CALCIUM OXIDE	8	–	–	960	–	–	–	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T7	TP2 TP13	F-A, S-A	Category B SW2 SW5	SGG10	Colourless volatile liquid evolving irritating vapour with a narcotic effect. Boiling point: 38°C. Vapour can be ignited by an electric spark or similar sources of ignition. Toxic if swallowed, by skin contact or by inhalation.	1891
–	T20	TP2 TP13	F-A, S-A	Category D SW2	–	Colourless liquid evolving irritating vapour (“Tear Gas”). Highly toxic if swallowed, by skin contact or by inhalation.	1892
–	T3	TP33	F-A, S-A	Category A	SGG7 SGG11	White crystals or powder. Soluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	1894
–	T3	TP33	F-A, S-A	Category A	SGG7 SGG11	White crystals or powder. Toxic if swallowed, by skin contact or by inhalation.	1895
–	T4	TP1	F-A, S-A	Category A SW2	SGG10	Colourless liquid with an ethereal odour. When involved in a fire, evolves extremely toxic fumes (phosgene). Toxic if swallowed, by skin contact or by inhalation.	1897
–	T7	TP2 TP13	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Colourless liquid. Reacts violently with water, evolving hydrogen iodide, an irritating and corrosive gas apparent as white fumes. In the presence of moisture, highly corrosive to most metals. Vapour irritates mucous membranes.	1898
–	T4	TP1	F-A, S-B	Category A	SGG1 SG36 SG49	Oily liquid. Mildly corrosive to most metals.	1902
–	–	–	F-A, S-B	Category B	–	A wide variety of corrosive liquids. Cause burns to skin, eyes and mucous membranes.	1903
–	–	–	F-A, S-B	Category B	–	See entry above.	1903
–	–	–	F-A, S-B	Category A	–	See entry above.	1903
–	T6	TP33	F-A, S-B	Category A	SGG1 SG36 SG49	White, very deliquescent crystalline solid. Melting point: 50°C. Soluble in water. Reacts violently with organic materials such as wood, cotton or straw. In the presence of moisture, corrosive to most metals. Causes severe burns to skin, eyes and mucous membranes.	1905
–	T8	TP2 TP28	F-A, S-B	Category C SW15	SGG1a SG36 SG49	Waste or spent sulphuric acid, usually a by-product of refining petroleum oils or crude benzenes. Highly corrosive to most metals.	1906
–	T1	TP33	F-A, S-B	Category A	SGG18 SG35	Deliquescent, granulated mixture of sodium hydroxide and calcium hydroxide. Reacts violently with acids. Reacts with ammonium salts, evolving ammonia gas. In the presence of moisture, corrosive to aluminium, zinc and tin. Causes burns to skin, eyes and mucous membranes.	1907
–	T7	TP2 TP24	F-A, S-B	Category B	SGG5 SG6 SG8 SG10 SG12 SG20	Colourless liquid. In contact with acids, evolves very irritating and corrosive gases. Oxidizing solution. May cause fire in contact with organic materials such as wood, cotton or straw. Mildly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	1908
–	T4	TP2 TP24	F-A, S-B	Category B	SGG5 SG6 SG8 SG10 SG12 SG20	See entry above.	1908
–	–	–	–	–	–	Not subject to the provisions of this Code but may be subject to provisions governing the transport of dangerous goods by other modes.	1910

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1911	DIBORANE	2.3	2.1	–	–	0	E0	P200	–	–	–
1912	METHYL CHLORIDE AND METHYLENE CHLORIDE MIXTURE	2.1	–	–	228	0	E0	P200	–	–	–
1913	NEON, REFRIGERATED LIQUID	2.2	–	–	–	120 mL	E1	P203	–	–	–
1914	BUTYL PROPIONATES	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
1915	CYCLOHEXANONE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
1916	2,2'-DICHLORODIETHYL ETHER	6.1	3	II	–	100 mL	E4	P001	–	IBC02	–
1917	ETHYL ACRYLATE, STABILIZED	3	–	II	386	1 L	E2	P001	–	IBC02	–
1918	ISOPROPYLBENZENE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
1919	METHYL ACRYLATE, STABILIZED	3	–	II	386	1 L	E2	P001	–	IBC02	–
1920	NONANES	3	– P	III	–	5 L	E1	P001 LP01	–	IBC03	–
1921	PROPYLENEIMINE, STABILIZED	3	6.1	I	386	0	E0	P001	–	–	–
1922	PYRROLIDINE	3	8	II	–	1 L	E2	P001	–	IBC02	–
1923	CALCIUM DITHIONITE (CALCIUM HYDROSULPHITE)	4.2	–	II	–	0	E2	P410	PP31	IBC06	B21
1928	METHYLMAGNESIUM BROMIDE IN ETHYL ETHER	4.3	3	I	–	0	E0	P402	–	–	–
1929	POTASSIUM DITHIONITE (POTASSIUM HYDROSULPHITE)	4.2	–	II	–	0	E2	P410	PP31	IBC06	B21
1931	ZINC DITHIONITE (ZINC HYDROSULPHITE)	9	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
1932	ZIRCONIUM SCRAP	4.2	–	III	223	0	E0	P002 LP02	PP31 L4	IBC08	B4
1935	CYANIDE SOLUTION, N.O.S.	6.1	– P	I	274	0	E5	P001	–	–	–
1935	CYANIDE SOLUTION, N.O.S.	6.1	– P	II	274	100 mL	E4	P001	–	IBC02	–
1935	CYANIDE SOLUTION, N.O.S.	6.1	– P	III	223 274	5 L	E1	P001 LP01	–	IBC03	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-D, S-U	Category D SW2	SG46	Liquefied, flammable, toxic, colourless gas with an unpleasant odour. Explosive limits: 0.9% to 98%. Lighter than air (0.95). May decompose above –18°C with the formation of hydrogen and boron hydrides. Autoignition temperature: 90°C. Toxic by inhalation; forms boric acid and water by hydrolysis within the lungs.	1911
–	T50	–	F-D, S-U	Category D SW2	–	Solution of the flammable gas methyl chloride, UN No. 1063, in the liquid methylene chloride.	1912
–	T75	TP5	F-C, S-V	Category D	–	Liquefied, inert gas. Lighter than air (0.7).	1913
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquids. Flashpoint: 32°C c.c. Immiscible with water.	1914
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid. Flashpoint: 38°C to 44°C c.c. Explosive limits: 1.1% to 9.4%. Immiscible with water.	1915
–	T7	TP2	F-E, S-D	Category A	–	Colourless flammable liquid. Flashpoint: 55°C c.c. Immiscible with water, but reacts with it, forming corrosive and toxic fumes. Toxic if swallowed, by skin contact or by inhalation.	1916
–	T4	TP1 TP13	F-E, S-D	Category C SW1 SW2	–	Colourless liquid with a pungent odour. Flashpoint: 16°C c.c. Explosive limits: 1.8% to 14%. Immiscible with water. Irritating to skin, eyes and mucous membranes.	1917
–	T2	TP1	F-E, S-E	Category A	–	Colourless liquid with a chloroform-like odour. Flashpoint: 31°C c.c. Explosive limits: 0.9% to 6.5%. Immiscible with water.	1918
–	T4	TP1 TP13	F-E, S-D	Category C SW1	–	Colourless, volatile liquid with a pungent odour. Flashpoint: –3°C c.c. Explosive limits: 1.2% to 25%. Immiscible with water. Harmful by inhalation. Irritating to skin, eyes and mucous membranes.	1919
–	T2	TP2	F-E, S-E	Category A	–	Colourless liquids. Explosive limits: 0.8% to 2.9%. <i>normal</i> -NONANE: flashpoint 31°C c.c. Immiscible with water. Irritating to skin, eyes and mucous membranes.	1920
–	T14	TP2 TP13	F-E, S-D	Category D SW1 SW2	–	Colourless liquid with an ammoniacal odour. Flashpoint: –4°C o.c. Miscible with water. Toxic if swallowed, by skin contact or by inhalation. Causes burns to skin and eyes.	1921
–	T7	TP1	F-E, S-C	Category B SW2	SGG18 SG35	Colourless to pale yellow liquid with an ammoniacal odour. Reacts violently with acids. Flashpoint: 3°C c.c. Miscible with water. Harmful by inhalation. Causes burns to skin, eyes and mucous membranes.	1922
–	T3	TP33	F-A, S-J	Category E H1	–	Liable to heat and ignite spontaneously in air and to evolve sulphur dioxide, an irritating gas.	1923
–	–	–	F-G, S-L	Category D H1	SG26	Colourless, yellowish liquid. Decomposes violently in contact with water. Spillage will ignite spontaneously.	1928
–	T3	TP33	F-A, S-J	Category E H1	–	Liable to heat and ignite spontaneously in air and to evolve sulphur dioxide, an irritating gas.	1929
–	T1	TP33	F-A, S-J	Category A H1	SGG7 SG11 SG20	White, amorphous solid material. Soluble in water. Liable to heat on contact with moisture and heating results in evolution of sulphur dioxide, an intensely irritating gas. Also evolves sulphur dioxide on contact with acids.	1931
–	T1	TP33	F-G, S-L	Category D H1	SG26	Particle size larger than 840 microns. Readily flammable; may ignite spontaneously in air. In contact with water, may evolve hydrogen, a flammable gas.	1932
–	T14	TP2 TP13 TP27	F-A, S-A	Category B SW2	SGG6 SG35	Liquid evolving toxic vapour. Reacts with acids or acid fumes, evolving hydrogen cyanide, a highly toxic and flammable gas. Toxic if swallowed, by skin contact or by inhalation.	1935
–	T11	TP2 TP13 TP27	F-A, S-A	Category A SW2	SGG6 SG35	See entry above.	1935
–	T7	TP2 TP13 TP28	F-A, S-A	Category A SW2	SGG6 SG35	See entry above.	1935

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1938	BROMOACETIC ACID SOLUTION	8	–	II	–	1 L	E2	P001	–	IBC02	–
1938	BROMOACETIC ACID SOLUTION	8	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
1939	PHOSPHORUS OXYBROMIDE	8	–	II	–	1 kg	E0	P002	–	IBC08	B4 B21
1940	THIOGLYCOLIC ACID	8	–	II	–	1 L	E2	P001	–	IBC02	–
1941	DIBROMODIFLUOROMETHANE	9	–	III	–	5 L	E1	P001 LP01	–	–	–
1942	AMMONIUM NITRATE with not more than 0.2% combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substance	5.1	–	III	900 952 967	5 kg	E1	P002 LP02	–	IBC08	B3
1944	MATCHES, SAFETY (book, card or strike on box)	4.1	–	III	293 294	5 kg	E1	P407	–	–	–
1945	MATCHES, WAX 'VESTA'	4.1	–	III	293 294	5 kg	E1	P407	–	–	–
1950	AEROSOLS	2	– See SP63	–	63 190 277 327 344 381 959	See SP277	E0	P207 LP200	PP87 L2	–	–
1951	ARGON, REFRIGERATED LIQUID	2.2	–	–	–	120 mL	E1	P203	–	–	–
△ 1952	ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with not more than 9% ethylene oxide	2.2	–	–	392	120 mL	E1	P200	–	–	–
1953	COMPRESSED GAS, TOXIC, FLAMMABLE, N.O.S.	2.3	2.1	–	274	0	E0	P200	–	–	–
1954	COMPRESSED GAS, FLAMMABLE, N.O.S.	2.1	–	–	274 392	0	E0	P200	–	–	–
1955	COMPRESSED GAS, TOXIC, N.O.S.	2.3	–	–	274	0	E0	P200	–	–	–
△ 1956	COMPRESSED GAS, N.O.S.	2.2	–	–	274 378 392	120 mL	E1	P200	–	–	–
1957	DEUTERIUM, COMPRESSED	2.1	–	–	–	0	E0	P200	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T7	TP2	F-A, S-B	Category A SW2	SGG1 SG36 SG49	Corrosive to most metals. Harmful if swallowed. Causes burns to eyes and skin.	1938
–	T7	TP2	F-A, S-B	Category A SW2	SGG1 SG36 SG49	See entry above.	1938
–	T3	TP33	F-A, S-B	Category C SW1 SW2 H2	SGG1 SG36 SG49	Colourless crystals. Melting point: 56°C. Reacts violently with water, evolving hydrogen bromide, a toxic and corrosive gas apparent as white fumes. Reacts violently with organic materials (such as wood, cotton, straw), causing fire. Decomposes when heated, evolving toxic and corrosive gases. When involved in a fire, evolves toxic and corrosive gases. In the presence of moisture, highly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	1939
–	T7	TP2	F-A, S-B	Category A	SGG1 SG36 SG49	Colourless liquid with a strong, very unpleasant odour. Corrosive to most metals. Harmful if swallowed.	1940
–	T11	TP2	F-A, S-A	Category A SW1	–	Colourless, heavy liquid. Boiling point: 24°C. Immiscible with water. When involved in a fire, may evolve toxic fumes. Toxic if swallowed, by skin contact or by inhalation. Irritating to skin, eyes and mucous membranes.	1941
–	T1 BK2 BK3	TP33	F-H, S-Q	Category C SW1 SW14 SW23	SGG2 SG16 SG42 SG45 SG47 SG48 SG51 SG56 SG58 SG59 SG61	Crystals, granules or prills. Soluble in water. Supporter of combustion. A major fire aboard a ship carrying this substance may involve a risk of explosion in the event of contamination (e.g. by fuel oil) or strong confinement. An adjacent detonation may also involve the risk of explosion. If heated strongly, decomposes, giving off toxic gases and gases which support combustion. Transport of AMMONIUM NITRATE liable to self-heating sufficient to initiate decomposition is prohibited.	1942
–	–	–	F-A, S-I	Category A	–	Intended to be ignited on a specially prepared surface.	1944
–	–	–	F-A, S-I	Category B	–	Ignite by friction; a prepared surface may be required.	1945
–	–	–	F-D, S-U	– SW1 SW22	SG69	–	1950
–	T75	TP5	F-C, S-V	Category D	–	Liquefied, inert gas. Heavier than air (1.4).	1951
–	–	–	F-C, S-V	Category A	–	Liquefied, non-flammable gas with an ether-like odour. Explosive limits: 31% to 52%. Heavier than air (1.5).	1952
–	–	–	F-D, S-U	Category D SW2	–	–	1953
–	–	–	F-D, S-U	Category D SW2	–	–	1954
–	–	–	F-C, S-U	Category D SW2	–	–	1955
–	–	–	F-C, S-V	Category A	–	–	1956
–	–	–	F-D, S-U	Category E SW2	–	Flammable, odourless gas. Much lighter than air (0.14).	1957

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1958	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE (REFRIGERANT GAS R 114)	2.2	–	–	–	120 mL	E1	P200	–	–	–
1959	1,1-DIFLUOROETHYLENE (REFRIGERANT GAS R 1132a)	2.1	–	–	–	0	E0	P200	–	–	–
1961	ETHANE, REFRIGERATED LIQUID	2.1	–	–	–	0	E0	P203	–	–	–
1962	ETHYLENE	2.1	–	–	–	0	E0	P200	–	–	–
1963	HELIUM, REFRIGERATED LIQUID	2.2	–	–	–	120 mL	E1	P203	–	–	–
1964	HYDROCARBON GAS MIXTURE, COMPRESSED, N.O.S.	2.1	–	–	274	0	E0	P200	–	–	–
1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.	2.1	–	–	274 392	0	E0	P200	–	–	–
1966	HYDROGEN, REFRIGERATED LIQUID	2.1	–	–	–	0	E0	P203	–	–	–
1967	INSECTICIDE GAS, TOXIC, N.O.S.	2.3	–	–	274	0	E0	P200	–	–	–
1968	INSECTICIDE GAS, N.O.S.	2.2	–	–	274	120 mL	E1	P200	–	–	–
1969	ISOBUTANE	2.1	–	–	392	0	E0	P200	–	–	–
1970	KRYPTON, REFRIGERATED LIQUID	2.2	–	–	–	120 mL	E1	P203	–	–	–
1971	METHANE, COMPRESSED or NATURAL GAS, COMPRESSED with high methane content	2.1	–	–	392 974	0	E0	P200	–	–	–
1972	METHANE, REFRIGERATED LIQUID or NATURAL GAS, REFRIGERATED LIQUID with high methane content	2.1	–	–	–	0	E0	P203	–	–	–
1973	CHLORODIFLUOROMETHANE AND CHLOROPENTAFLUORO-ETHANE MIXTURE with fixed boiling point, with approximately 49% chlorodifluoromethane (REFRIGERANT GAS R 502)	2.2	–	–	–	120 mL	E1	P200	–	–	–
1974	CHLORODIFLUOROBROMO-METHANE (REFRIGERANT GAS R 12B1)	2.2	–	–	–	120 mL	E1	P200	–	–	–
1975	NITRIC OXIDE AND DINITROGEN TETROXIDE MIXTURE (NITRIC OXIDE AND NITROGEN DIOXIDE MIXTURE)	2.3	5.1/8	–	–	0	E0	P200	–	–	–
1976	OCTAFLUOROCYCLOBUTANE (REFRIGERANT GAS RC 318)	2.2	–	–	–	120 mL	E1	P200	–	–	–
1977	NITROGEN, REFRIGERATED LIQUID	2.2	–	–	345 346	120 mL	E1	P203	–	–	–

Portable tanks and bulk containers			EmS (15) 5.4.3.4 7.8	Stowage and handling (16a) 7.1 7.3–7.7	Segregation (16b) 7.2–7.7	Properties and observations
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UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1978	PROPANE	2.1	–	–	392	0	E0	P200	–	–	–
1982	TETRAFLUOROMETHANE (REFRIGERANT GAS R 14)	2.2	–	–	–	120 mL	E1	P200	–	–	–
1983	1-CHLORO-2,2,2-TRIFLUORO-ETHANE (REFRIGERANT GAS R 133a)	2.2	–	–	–	120 mL	E1	P200	–	–	–
1984	TRIFLUOROMETHANE (REFRIGERANT GAS R 23)	2.2	–	–	–	120 mL	E1	P200	–	–	–
1986	ALCOHOLS, FLAMMABLE, TOXIC, N.O.S.	3	6.1	I	274	0	E0	P001	–	–	–
1986	ALCOHOLS, FLAMMABLE, TOXIC, N.O.S.	3	6.1	II	274	1 L	E2	P001	–	IBC02	–
1986	ALCOHOLS, FLAMMABLE, TOXIC, N.O.S.	3	6.1	III	223 274	5 L	E1	P001	–	IBC03	–
1987	ALCOHOLS, N.O.S.	3	–	II	274	1 L	E2	P001	–	IBC02	–
1987	ALCOHOLS, N.O.S.	3	–	III	223 274	5 L	E1	P001 LP01	–	IBC03	–
1988	ALDEHYDES, FLAMMABLE, TOXIC, N.O.S.	3	6.1	I	274	0	E0	P001	–	–	–
1988	ALDEHYDES, FLAMMABLE, TOXIC, N.O.S.	3	6.1	II	274	1 L	E2	P001	–	IBC02	–
1988	ALDEHYDES, FLAMMABLE, TOXIC, N.O.S.	3	6.1	III	223 274	5 L	E1	P001	–	IBC03	–
1989	ALDEHYDES, N.O.S.	3	–	I	274	0	E3	P001	–	–	–
1989	ALDEHYDES, N.O.S.	3	–	II	274	1 L	E2	P001	–	IBC02	–
1989	ALDEHYDES, N.O.S.	3	–	III	223 274	5 L	E1	P001 LP01	–	IBC03	–
1990	BENZALDEHYDE	9	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
1991	CHLOROPRENE, STABILIZED	3	6.1	I	386	0	E0	P001	–	–	–
1992	FLAMMABLE LIQUID, TOXIC, N.O.S.	3	6.1	I	274	0	E0	P001	–	–	–
1992	FLAMMABLE LIQUID, TOXIC, N.O.S.	3	6.1	II	274	1 L	E2	P001	–	IBC02	–
1992	FLAMMABLE LIQUID, TOXIC, N.O.S.	3	6.1	III	223 274	5 L	E1	P001	–	IBC03	–
1993	FLAMMABLE LIQUID, N.O.S.	3	–	I	274	0	E3	P001	–	–	–
1993	FLAMMABLE LIQUID, N.O.S.	3	–	II	274	1 L	E2	P001	–	IBC02	–
1993	FLAMMABLE LIQUID, N.O.S.	3	–	III	223 274 955	5 L	E1	P001 LP01	–	IBC03	–

Portable tanks and bulk containers			EmS (15) 5.4.3.4 7.8	Stowage and handling (16a) 7.1 7.3–7.7	Segregation (16b) 7.2–7.7	Properties and observations (17)	UN No. (18)
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
–	T50	–	F-D, S-U	Category E SW2	–	Flammable hydrocarbon gas. Explosive limits: 2.3% to 9.5%. Heavier than air (1.56).	1978
–	–	–	F-C, S-V	Category A	–	Non-flammable gas. Much heavier than air (3.1).	1982
–	T50	–	F-C, S-V	Category A	–	Liquefied, non-flammable gas. Much heavier than air (4.1). Boiling point: 7°C.	1983
–	–	–	F-C, S-V	Category A	–	Liquefied, non-flammable gas. Much heavier than air (2.4).	1984
–	T14	TP2 TP13 TP27	F-E, S-D	Category E SW2	–	Toxic if swallowed, by skin contact or by inhalation.	1986
–	T11	TP2 TP27	F-E, S-D	Category B SW2	–	See entry above.	1986
–	T7	TP1 TP28	F-E, S-D	Category A	–	See entry above.	1986
–	T7	TP1 TP8 TP28	F-E, S-D	Category B	–	–	1987
–	T4	TP1 TP29	F-E, S-D	Category A	–	–	1987
–	T14	TP2 TP13 TP27	F-E, S-D	Category E SW2	–	Toxic if swallowed, by skin contact or by inhalation.	1988
–	T11	TP2 TP27	F-E, S-D	Category B SW2	–	See entry above.	1988
–	T7	TP1 TP28	F-E, S-D	Category A	–	See entry above.	1988
–	T11	TP1 TP27	F-E, S-D	Category E	–	–	1989
–	T7	TP1 TP8 TP28	F-E, S-D	Category B	–	–	1989
–	T4	TP1 TP29	F-E, S-D	Category A	–	–	1989
–	T2	TP1	F-A, S-A	Category A	–	Colourless or yellowish volatile oil with a bitter almond odour. Slightly soluble in water. Irritating to skin, eyes and mucous membranes.	1990
–	T14	TP2 TP6 TP13	F-E, S-D	Category D SW1 SW2	SGG10	Colourless liquid. Flashpoint: –20°C c.c. Explosive limits: 2.5% to 12%. Slightly soluble in water. Toxic if swallowed, by skin contact or by inhalation.	1991
–	T14	TP2 TP13 TP27	F-E, S-D	Category E SW2	–	Flammable toxic liquid which is not specified by name in this class or, on account of its characteristics, in some other class. Toxic if swallowed, by skin contact or by inhalation.	1992
–	T7	TP2 TP13	F-E, S-D	Category B SW2	–	See entry above.	1992
–	T7	TP1 TP28	F-E, S-D	Category A	–	See entry above.	1992
–	T11	TP1 TP27	F-E, <u>S-E</u>	Category E	–	–	1993
–	T7	TP1 TP8 TP28	F-E, <u>S-E</u>	Category B	–	–	1993
–	T4	TP1 TP29	F-E, <u>S-E</u>	Category A	–	–	1993

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
1994	IRON PENTACARBONYL	6.1	3	I	354	0	E0	P601	–	–	–
1999	TARS, LIQUID, including road oils, and cutback bitumens	3	–	II	–	5 L	E2	P001	–	IBC02	–
1999	TARS, LIQUID, including road oils, and cutback bitumens	3	–	III	955	5 L	E1	P001 LP01	–	IBC03	–
2000	CELLULOID in block, rods, rolls, sheets, tubes, etc., except scrap	4.1	–	III	223 383	5 kg	E1	P002 LP02	PP7	–	–
2001	COBALT NAPHTHENATES, POWDER	4.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2002	CELLULOID, SCRAP	4.2	–	III	223	0	E0	P002 LP02	PP8	IBC08	B3
2004	MAGNESIUM DIAMIDE	4.2	–	II	–	0	E2	P410	PP31	IBC06	–
2006	PLASTICS, NITROCELLULOSE-BASED, SELF-HEATING, N.O.S.	4.2	–	III	274	0	E0	P002	–	–	–
2008	ZIRCONIUM POWDER, DRY	4.2	–	I	–	0	E0	P404	PP31	–	–
2008	ZIRCONIUM POWDER, DRY	4.2	–	II	–	0	E2	P410	PP31	IBC06	B21
2008	ZIRCONIUM POWDER, DRY	4.2	–	III	223	0	E1	P002 LP02	PP31 L4	IBC08	B4
2009	ZIRCONIUM, DRY, finished sheets, strip or coiled wire	4.2	–	III	223	0	E1	P002 LP02	PP31 L4	–	–
2010	MAGNESIUM HYDRIDE	4.3	–	I	–	0	E0	P403	PP31	–	–
2011	MAGNESIUM PHOSPHIDE	4.3	6.1	I	–	0	E0	P403	PP31	–	–
2012	POTASSIUM PHOSPHIDE	4.3	6.1	I	–	0	E0	P403	PP31	–	–
2013	STRONTIUM PHOSPHIDE	4.3	6.1	I	–	0	E0	P403	PP31	–	–
2014	HYDROGEN PEROXIDE, AQUEOUS SOLUTION with not less than 20% but not more than 60% hydrogen peroxide (stabilized as necessary)	5.1	8	II	–	1 L	E2	P504	PP10	IBC02	B5
2015	HYDROGEN PEROXIDE, STABILIZED or HYDROGEN PEROXIDE, AQUEOUS SOLUTION, STABILIZED with more than 60% hydrogen peroxide	5.1	8	I	–	0	E0	P501	–	–	–
2016	AMMUNITION, TOXIC, NON-EXPLOSIVE without burster or expelling charge, non-fuzed	6.1	–	–	–	0	E0	P600	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T22	TP2 TP13	F-E, S-D	Category D SW2	–	Yellow to dark red, volatile flammable liquid. Flashpoint: –15°C c.c. Explosive limits: 3.7% to 12.5%. May react with water or steam, evolving carbon monoxide, which is a toxic gas. Highly toxic if swallowed, by skin contact or by inhalation.	1994
–	T3	TP3 TP29	F-E, S-E	Category B	–	Mobile liquids prepared by mixing asphalt with petroleum distillate. Pungent odour. Immiscible with water.	1999
–	T1	TP3	F-E, S-E	Category A	–	See entry above.	1999
–	–	–	F-A, S-I	Category A	–	Ignites readily. When involved in a fire, evolves toxic fumes; in enclosed cargo spaces, these fumes may form an explosive mixture with air.	2000
–	T1	TP33	F-A, S-I	Category A	–	Brown, amorphous powder. Insoluble in water. Readily combustible.	2001
–	–	–	F-A, S-J	Category D	–	Ignites readily. When involved in a fire, evolves toxic fumes; in enclosed cargo spaces, these fumes may form an explosive mixture with air.	2002
–	T3	TP33	F-G, S-M	Category C H1	SG26	White powder. Ignites spontaneously in air. Reacts violently in contact with water.	2004
–	–	–	F-A, S-G	Category C	–	–	2006
–	T21	TP7 TP33	F-G, S-M	Category D H1	SGG15 SG26	Amorphous powder. Liable to ignite spontaneously in air. Forms explosive mixtures with oxidizing substances.	2008
–	T3	TP33	F-G, S-M	Category D H1	SGG15 SG26	See entry above.	2008
–	T1	TP33	F-G, S-M	Category D H1	SGG15 SG26	See entry above.	2008
–	–	–	F-G, S-M	Category D H1	SGG15 SG26	Hard, silvery metal, liable to ignite spontaneously in air.	2009
–	–	–	F-G, S-O	Category E H1	SG26 SG35	White crystals. In contact with water, acids or moisture, evolves hydrogen, which may be ignited by the heat of the reaction.	2010
–	–	–	F-G, S-N	Category E SW2 SW5 H1	SG26 SG35	Solid. Reacts with acids or decomposes slowly in contact with water or damp air, evolving phosphine, a spontaneously flammable and highly toxic gas. Reacts violently with oxidizing substances. Toxic if swallowed, by skin contact or by inhalation.	2011
–	–	–	F-G, S-N	Category E SW2 SW5 H1	SG26 SG35	Solid. Reacts with acids or decomposes slowly in contact with water or damp air, evolving phosphine, a spontaneously flammable and highly toxic gas. Reacts violently with oxidizing substances. Toxic if swallowed, by skin contact or by inhalation.	2012
–	–	–	F-G, S-N	Category E SW2 SW5 H1	SG26 SG35	Solid. Reacts with acids or decomposes slowly in contact with water or damp air, evolving phosphine, a spontaneously flammable and highly toxic gas. Reacts violently with oxidizing substances. Toxic if swallowed, by skin contact or by inhalation.	2013
–	T7	TP2 TP6 TP24	F-H, S-Q	Category D SW1	SGG16 SG16 SG59 SG72	Colourless liquid. Slowly decomposes, evolving oxygen; the rate of decomposition increases in contact with metals, except aluminium. In contact with combustible material, may cause fire or explosion. Causes burns to skin, eyes and mucous membranes. Even though stabilized, these solutions may evolve oxygen.	2014
–	T9	TP2 TP6 TP24	F-H, S-Q	Category D SW1	SGG16 SG16 SG59	Colourless liquid. Slowly decomposes, evolving oxygen; the rate of decomposition increases in contact with metals, except aluminium. Decomposes vigorously in contact with permanganates. When involved in a fire, mixtures with combustible material may be explosive. Causes burns to skin, eyes and mucous membranes. Even though stabilized, these solutions may evolve oxygen.	2015
–	–	–	F-A, S-A	Category E SW2 H1	–	Contents may evolve toxic fumes or vapour. Gases evolved are toxic by skin contact or by inhalation.	2016

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2017	AMMUNITION, TEAR-PRODUCING, NON-EXPLOSIVE without burster or expelling charge, non-fuzed	6.1	8	–	–	0	E0	P600	–	–	–
2018	CHLOROANILINES, SOLID	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
2019	CHLOROANILINES, LIQUID	6.1	–	II	–	100 mL	E4	P001	–	IBC02	–
2020	CHLOROPHENOLS, SOLID	6.1	–	III	205	5 kg	E1	P002 LP02	–	IBC08	B3
2021	CHLOROPHENOLS, LIQUID	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2022	CRESYLIC ACID	6.1	8	II	–	100 mL	E4	P001	–	IBC02	–
2023	EPOCHLOROHYDRIN	6.1	3 P	II	279	100 mL	E4	P001	–	IBC02	–
2024	MERCURY COMPOUND, LIQUID, N.O.S.	6.1	– P	I	43 66 274	0	E5	P001	–	–	–
2024	MERCURY COMPOUND, LIQUID, N.O.S.	6.1	– P	II	43 66 274	100 mL	E4	P001	–	IBC02	–
2024	MERCURY COMPOUND, LIQUID, N.O.S.	6.1	– P	III	43 66 223 274	5 L	E1	P001 LP01	–	IBC03	–
2025	MERCURY COMPOUND, SOLID, N.O.S.	6.1	– P	I	43 66 274	0	E5	P002	–	IBC07	B1
2025	MERCURY COMPOUND, SOLID, N.O.S.	6.1	– P	II	43 66 274	500 g	E4	P002	–	IBC08	B4 B21
2025	MERCURY COMPOUND, SOLID, N.O.S.	6.1	– P	III	43 66 223 274	5 kg	E1	P002 LP02	–	IBC08	B3
2026	PHENYLMERCURIC COMPOUND, N.O.S.	6.1	– P	I	43 274	0	E5	P002	–	IBC07	B1
2026	PHENYLMERCURIC COMPOUND, N.O.S.	6.1	– P	II	43 274	500 g	E4	P002	–	IBC08	B4 B21
2026	PHENYLMERCURIC COMPOUND, N.O.S.	6.1	– P	III	43 223 274	5 kg	E1	P002 LP02	–	IBC08	B3
2027	SODIUM ARSENITE, SOLID	6.1	–	II	43	500 g	E4	P002	–	IBC08	B4 B21
2028	BOMBS, SMOKE, NON-EXPLOSIVE with corrosive liquid, without initiating device	8	–	II	–	0	E0	P803	–	–	–

Portable tanks and bulk containers			EmS (15) 5.4.3.4 7.8	Stowage and handling (16a) 7.1 7.3–7.7	Segregation (16b) 7.2–7.7	Properties and observations (17)	UN No. (18)
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
–	–	–	F-A, S-B	Category E SW2 H1	–	Contents may evolve irritant gas or vapour with lachrymatory effects.	2017
–	T3	TP33	F-A, S-A	Category A	–	Crystalline solid. Melting point of pure <i>para</i> -chloroaniline: 70°C approximately. Toxic if swallowed, by skin contact or by dust inhalation.	2018
–	T7	TP2	F-A, S-A	Category A	SG35	Colourless liquid. May be a mixture of two of the isomers (e.g. <i>ortho</i> - and <i>meta</i> -) of chloroaniline. Reacts with acids. Toxic if swallowed, by skin contact or by inhalation.	2019
–	T1	TP33	F-A, S-A	Category A	–	A wide range of toxic solids. Toxic if swallowed, by skin contact or by dust inhalation.	2020
–	T4	TP1	F-A, S-A	Category A	–	A wide range of toxic liquids. Toxic if swallowed, by skin contact or by inhalation.	2021
–	T7	TP2 TP13	F-A, S-B	Category B	–	Colourless to brownish-yellow liquid mixture with a phenolic odour. Miscible with water. Toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes. “Cresylic acid” is a generic name for mixtures of cresols and higher alkylphenols, in varying proportions. It generally contains more than 95% phenolic compounds.	2022
–	T7	TP2 TP13	F-E, <u>S-D</u>	Category A SW2	–	Colourless flammable liquid with a chloroform-like odour. Flashpoint: approximately 32°C c.c. Toxic if swallowed, by skin contact or by inhalation.	2023
–	–	–	F-A, <u>S-A</u>	Category B SW2	SGG7 SGG11	Toxic if swallowed, by skin contact or by inhalation.	2024
–	–	–	F-A, <u>S-A</u>	Category B SW2	SGG7 SGG11	See entry above.	2024
–	–	–	F-A, <u>S-A</u>	Category B SW2	SGG7 SGG11	See entry above.	2024
–	T6	TP33	F-A, <u>S-A</u>	Category A	SGG7 SGG11	Toxic if swallowed, by skin contact or by dust inhalation.	2025
–	T3	TP33	F-A, <u>S-A</u>	Category A	SGG7 SGG11	See entry above.	2025
–	T1	TP33	F-A, <u>S-A</u>	Category A	SGG7 SGG11	See entry above.	2025
–	T6	TP33	F-A, <u>S-A</u>	Category A	SGG7 SGG11	Usually white crystals or powder. Toxic if swallowed, by skin contact or by dust inhalation.	2026
–	T3	TP33	F-A, <u>S-A</u>	Category A	SGG7 SGG11	See entry above.	2026
–	T1	TP33	F-A, <u>S-A</u>	Category A	SGG7 SGG11	See entry above.	2026
–	T3	TP33	F-A, S-A	Category A	–	Greyish-white powder. Soluble in water. Reacts with oxidizing substances, evolving heat. Toxic if swallowed, by skin contact or by dust inhalation.	2027
–	–	–	F-A, S-B	Category E SW2	–	Corrosive content evolves dense smoke when in contact with air. Corrosive content may cause acid burns to skin.	2028

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2029	HYDRAZINE, ANHYDROUS	8	3/6.1	I	–	0	E0	P001	–	–	–
2030	HYDRAZINE, AQUEOUS SOLUTION with more than 37% hydrazine, by mass	8	6.1	I	–	0	E0	P001	–	–	–
2030	HYDRAZINE, AQUEOUS SOLUTION with more than 37% hydrazine, by mass	8	6.1	II	–	1 L	E0	P001	–	IBC02	–
2030	HYDRAZINE, AQUEOUS SOLUTION with more than 37% hydrazine, by mass	8	6.1	III	–	5 L	E1	P001 LP01	–	IBC03	–
2031	NITRIC ACID other than red fuming, with more than 70% nitric acid	8	5.1	I	–	0	E0	P001	PP81	–	–
2031	NITRIC ACID other than red fuming, with at least 65% but with not more than 70% nitric acid	8	5.1	II	–	1 L	E2	P001	PP81	IBC02	B15 B20
2031	NITRIC ACID other than red fuming, with less than 65% nitric acid	8	–	II	–	1 L	E2	P001	PP81	IBC02	B15 B20
2032	NITRIC ACID, RED FUMING	8	5.1/6.1	I	–	0	E0	P602	–	–	–
2033	POTASSIUM MONOXIDE	8	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
2034	HYDROGEN AND METHANE MIXTURE, COMPRESSED	2.1	–	–	–	0	E0	P200	–	–	–
2035	1,1,1-TRIFLUOROETHANE (REFRIGERANT GAS R 143a)	2.1	–	–	–	0	E0	P200	–	–	–
△ 2036	XENON	2.2	–	–	378 392	120 mL	E1	P200	–	–	–
△ 2037	RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES) without a release device, non-refillable	2	–	–	191 277 303 327 344 959	see SP277	E0	P003 LP200	PP17 PP96 L2	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-E, S-C	Category D SW2	SGG18 SG5 SG8 SG35	Colourless, flammable liquid with an ammoniacal odour. Reacts violently with acids. Flashpoint: 52°C c.c. Miscible with water. Highly reactive reducing agent. Ignites spontaneously when in contact with porous materials such as earth, wood or cloth. Toxic if swallowed, by skin contact or by inhalation. Causes severe burns to skin, eyes and mucous membranes.	2029
–	T10	TP2 TP13	F-A, S-B	Category D SW2	SGG18 SG35	Colourless liquid. Powerful reducing agent, burns readily. Toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes. Reacts violently with acids.	2030
–	T7	TP2 TP13	F-A, S-B	Category D SW2	SGG18 SG35	See entry above.	2030
–	T4	TP1	F-A, S-B	Category D SW2	SGG18 SG35	See entry above.	2030
–	T10	TP2 TP13	F-A, S-Q	Category D	SGG1a SG6 SG16 SG17 SG19 SG36 SG49	Colourless liquid. Powerful oxidant; may cause fire in contact with organic materials such as wood, cotton or straw, evolving highly toxic gases (brown fumes). Highly corrosive to most metals. Causes severe burns to skin, eyes and mucous membranes.	2031
–	T8	TP2	F-A, S-Q	Category D	SGG1a SG6 SG16 SG17 SG19 SG36 SG49	Colourless liquid. Oxidant; may cause fire in contact with organic materials such as wood, cotton or straw, evolving highly toxic gases (brown fumes). Highly corrosive to most metals. Causes severe burns to skin, eyes and mucous membranes.	2031
–	T8	TP2	F-A, S-B	Category D	SGG1a SG36 SG49	See entry above.	2031
–	T20	TP2 TP13	F-A, S-Q	Category D SW2	SGG1a SG6 SG16 SG17 SG19 SG36 SG49	Brown liquid. Powerful oxidant; may cause fire in contact with organic materials such as wood, cotton or straw. Highly corrosive to most metals. Toxic if swallowed, by skin contact or by vapour inhalation. Causes severe burns to skin, eyes and mucous membranes.	2032
–	T3	TP33	F-A, S-B	Category A	SGG18 SG22 SG35	Deliquescent crystalline solid. Reacts violently with water, generating heat. Reacts with ammonium salts, evolving ammonia gas. Reacts violently with acids. In the presence of moisture, corrosive to aluminium, zinc and tin. Causes burns to skin, eyes and mucous membranes.	2033
–	–	–	F-D, S-U	Category E SW2	SG46	Flammable, odourless gas mixtures. Much lighter than air.	2034
–	T50	–	F-D, S-U	Category B SW2	–	Flammable gas with a slight odour. Much heavier than air (2.9).	2035
–	–	–	F-C, S-V	Category A	–	Liquefied, inert gas. Much heavier than air (4.5).	2036
–	–	–	F-D, S-U	Category B SW2 SW22	–	Normally contain mixtures of liquefied butane and propane in various proportions for use in camping stoves, etc.	2037

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2038	DINITROTOLUENES, LIQUID	6.1	– P	II	–	100 mL	E4	P001	–	IBC02	B20
2044	2,2-DIMETHYLPROPANE	2.1	–	–	–	0	E0	P200	–	–	–
2045	ISOBUTYL ALDEHYDE (ISOBUTYRALDEHYDE)	3	–	II	–	1 L	E2	P001	–	IBC02	–
2046	CYMENES	3	– P	III	–	5 L	E1	P001 LP01	–	IBC03	–
2047	DICHLOROPROPENES	3	–	II	–	1 L	E2	P001	–	IBC02	–
2047	DICHLOROPROPENES	3	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
2048	DICYCLOPENTADIENE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2049	DIETHYLBENZENE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2050	DIISOBUTYLENES, ISOMERIC COMPOUNDS	3	–	II	–	1 L	E2	P001	–	IBC02	–
2051	2-DIMETHYLAMINOETHANOL	8	3	II	–	1 L	E2	P001	–	IBC02	–
2052	DIPENTENE	3	– P	III	–	5 L	E1	P001 LP01	–	IBC03	–
2053	METHYL ISOBUTYL CARBINOL	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2054	MORPHOLINE	8	3	I	–	0	E0	P001	–	–	–
2055	STYRENE MONOMER, STABILIZED	3	–	III	386	5 L	E1	P001	–	IBC03	–
2056	TETRAHYDROFURAN	3	–	II	–	1 L	E2	P001	–	IBC02	–
2057	TRIPROPYLENE	3	– P	II	–	1 L	E2	P001	–	IBC02	–
2057	TRIPROPYLENE	3	– P	III	223	5 L	E1	P001 LP01	–	IBC03	–
2058	VALERALDEHYDE	3	–	II	–	1 L	E2	P001	–	IBC02	–
2059	NITROCELLULOSE SOLUTION, FLAMMABLE with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose	3	–	I	198	0	E0	P001	–	–	–
2059	NITROCELLULOSE SOLUTION, FLAMMABLE with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose	3	–	II	198	1 L	E0	P001	–	IBC02	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T7	TP2	F-A, <u>S-A</u>	Category A	–	Immiscible with water. A commercial grade consisting of a mixture of the 2,4-, 3,4- and 3,5-isomers is an oily liquid. Toxic if swallowed, by skin contact or by inhalation.	2038
–	–	–	F-D, S-U	Category E SW2	–	Flammable hydrocarbon gas. Explosive limits: 1.4% to 7.2%. Heavier than air (2.48).	2044
–	T4	TP1	F-E, S-D	Category E SW2	–	Colourless liquid with a characteristic pungent odour. Flashpoint: –24°C c.c. Explosive limits: 1% to 12%. Immiscible with water.	2045
–	T2	TP1	F-E, <u>S-D</u>	Category A	–	Colourless liquids with an aromatic odour. Immiscible with water. Explosive limits: 0.7% to 5.6%.	2046
–	T4	TP1	F-E, S-D	Category B	–	Colourless or yellow liquids with a sweet odour. Explosive limits: 5% to 14%. Immiscible with water. Irritating to skin, eyes and mucous membranes.	2047
–	T2	TP1	F-E, S-D	Category A	–	See entry above.	2047
–	T2	TP1	F-E, S-D	Category A	–	The pure substance is a solid with a melting point of 34°C. Flashpoint: 26°C to 38°C o.c. Commercial products are liquids. Immiscible with water. Harmful if swallowed.	2048
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquids. Flashpoint: 49°C to 56°C c.c. Immiscible with water. The commercial product is a mixture of isomers.	2049
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquids. Flashpoint: –18°C to 21°C c.c. Explosive limits: 0.8% to 4.8%. Immiscible with water.	2050
–	T7	TP2	F-E, S-C	Category A	SG35	Colourless, flammable liquid with a fishy odour. Flashpoint: 31°C o.c. Miscible with water. Causes burns to skin, eyes and mucous membranes.	2051
–	T2	TP1	F-E, S-E	Category A	–	Colourless liquid with a lemon-like odour. Flashpoint: 43°C c.c. Explosive limits: 0.7% to 6.1%. Immiscible with water.	2052
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid. Flashpoint: 41°C c.c. Explosive limits: 1% to 5.5%. Miscible with water. Harmful by inhalation.	2053
–	T10	TP2	F-E, S-C	Category A	–	Colourless liquid with a fishy odour. Flashpoint: 38°C o.c. Explosive limits: 2% to 11.2%. Miscible with water. Harmful by skin contact or by inhalation. Corrosive to skin, eyes and mucous membranes.	2054
–	T2	TP1	F-E, S-D	Category C SW1	–	Colourless, oily liquid. Flashpoint: 32°C c.c. Explosive limits: 1.1% to 6.1%. Immiscible with water. Irritating to skin, eyes and mucous membranes.	2055
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid with an ethereal odour. Flashpoint: below –18°C c.c. Explosive limits: 1.5% to 12%. Miscible with water.	2056
–	T4	TP2	F-E, <u>S-D</u>	Category B	–	Colourless liquid. Immiscible with water.	2057
–	T2	TP2	F-E, <u>S-D</u>	Category A	–	See entry above.	2057
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid. Flashpoint: 12°C c.c. Partially miscible with water. Irritating to skin, eyes and mucous membranes.	2058
–	T11	TP1 TP8 TP27	F-E, S-D	Category E	–	When involved in a fire, evolves toxic nitrous fumes.	2059
–	T4	TP1 TP8	F-E, S-D	Category B	–	See entry above.	2059

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2059	NITROCELLULOSE SOLUTION, FLAMMABLE with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose	3	–	III	198 223	5 L	E0	P001 LP01	–	IBC03	–
2067	AMMONIUM NITRATE BASED FERTILIZER	5.1	–	III	306 307 900 967	5 kg	E1	P002 LP02	–	IBC08	B3
2071	AMMONIUM NITRATE BASED FERTILIZER	9	–	III	193	5 kg	E1	P002 LP02	–	IBC08	B3
2073	AMMONIA SOLUTION, relative density less than 0.880 at 15°C in water, with more than 35% but not more than 50% ammonia	2.2	– P	–	–	120 mL	E0	P200	–	–	–
2074	ACRYLAMIDE, SOLID	6.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2075	CHLORAL, ANHYDROUS, STABILIZED	6.1	–	II	–	100 mL	E4	P001	–	IBC02	–
2076	CRESOLS, LIQUID	6.1	8	II	–	100 mL	E4	P001	–	IBC02	–
2077	alpha-NAPHTHYLAMINE	6.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2078	TOLUENE DIISOCYANATE	6.1	–	II	279	100 mL	E4	P001	–	IBC02	–
2079	DIETHYLENETRIAMINE	8	–	II	–	1 L	E2	P001	–	IBC02	–
2186	HYDROGEN CHLORIDE, REFRIGERATED LIQUID	2.3	8	–	900	–	–	–	–	–	–
2187	CARBON DIOXIDE, REFRIGERATED LIQUID	2.2	–	–	–	120 mL	E1	P203	–	–	–
2188	ARSINE	2.3	2.1	–	–	0	E0	P200	–	–	–
2189	DICHLOROSILANE	2.3	2.1/8	–	–	0	E0	P200	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
(12)	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T2	TP1	F-E, S-D	Category A	–	When involved in a fire, evolves toxic nitrous fumes.	2059
–	T1 BK2 BK3	TP33	F-H, S-Q	Category C SW1 SW14 SW23	SGG2 SG16 SG42 SG45 SG47 SG48 SG51 SG56 SG58 SG59 SG61	Crystals, granules or prills. Wholly or partly soluble in water. Supporters of combustion. A major fire aboard a ship carrying these substances may involve a risk of explosion in the event of contamination (e.g. by fuel oil) or strong confinement. An adjacent detonation may also involve a risk of explosion. If heated strongly, decompose, giving off toxic gases and gases which support combustion. Transport of AMMONIUM NITRATE liable to self-heating sufficient to initiate decomposition is prohibited .	2067
–	BK2	–	F-H, S-Q	Category A SW26	SGG2	Usually granules. Wholly or partly soluble in water. These mixtures may be subject to self-sustaining decomposition if heated. The temperature in such a reaction can reach 500°C. Decomposition, once initiated, may spread throughout the remainder, producing gases which are toxic. None of these mixtures is subject to the explosion hazard. Transport of AMMONIUM NITRATE liable to self-heating sufficient to initiate decomposition is prohibited .	2071
–	–	–	F-C, S-U	Category E SW2	SGG2 SGG18 SG35 SG46	Solution in water of non-flammable gas with a pungent odour. Reacts violently with acids. Extremely dangerous to the eyes.	2073
–	T1	TP33	F-A, S-A	Category A SW1 H2	–	Crystals or powder. Soluble in water. May polymerise violently on melting. Toxic if swallowed, by skin contact or by inhalation.	2074
–	T7	TP2	F-A, S-A	Category D SW2	–	Colourless, mobile liquid, evolving toxic vapours which are considerably heavier than air. Toxic if swallowed, by skin contact or by inhalation.	2075
–	T7	TP2	F-A, S-B	Category B	–	Colourless to light yellow liquids. Miscible with water. Melting point of <i>meta</i> -CRESOL: 12°C. Toxic if swallowed, by skin contact or by inhalation. Cause burns to skin, eyes and mucous membranes.	2076
–	T1	TP33	F-A, S-A	Category A	–	White crystals. Toxic if swallowed, by skin contact or by inhalation.	2077
–	T7	TP2 TP13	F-A, S-A	Category C SW1 SW2	–	Colourless to pale yellow liquid with a pungent odour. Immiscible with water but reacts with it to form carbon dioxide. Melting point: 20°C (pure product). Toxic if swallowed, by skin contact or by inhalation. Irritating to skin, eyes and mucous membranes.	2078
–	T7	TP2	F-A, S-B	Category A SW2	SGG18 SG35	Yellow hygroscopic liquid with ammoniacal odour. Soluble in water. Strongly alkaline, corrosive. Can form explosive mixtures with nitric acid. Reacts with oxidizing substances. Corrosive to copper and its alloys. Reacts violently with acids. Liquid and vapour can cause severe damage to skin and eyes.	2079
–	–	–	–	–	–	Transport is prohibited .	2186
–	T75	TP5	F-C, S-V	Category D	–	Non-flammable, liquefied gas, colourless and odourless. Heavier than air (1.5). Cannot remain in the liquid state above 31°C.	2187
–	–	–	F-D, S-U	Category D SW2	–	Flammable, toxic, colourless gas with a garlic odour. Explosive limits: 3.9% to 77.8%. Much heavier than air (2.8).	2188
–	–	–	F-D, S-U	Category D SW2	SG4 SG9 SG72	Flammable, toxic and corrosive gas. Reacts with water, evolving hydrogen chloride. Highly irritating to skin, eyes and mucous membranes.	2189

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2190	OXYGEN DIFLUORIDE, COMPRESSED	2.3	5.1/8	–	–	0	E0	P200	–	–	–
2191	SULPHURYL FLUORIDE	2.3	–	–	–	0	E0	P200	–	–	–
2192	GERMANE	2.3	2.1	–	–	0	E0	P200	–	–	–
2193	HEXAFLUOROETHANE (REFRIGERANT GAS R 116)	2.2	–	–	–	120 mL	E1	P200	–	–	–
2194	SELENIUM HEXAFLUORIDE	2.3	8	–	–	0	E0	P200	–	–	–
2195	TELLURIUM HEXAFLUORIDE	2.3	8	–	–	0	E0	P200	–	–	–
2196	TUNGSTEN HEXAFLUORIDE	2.3	8	–	–	0	E0	P200	–	–	–
2197	HYDROGEN IODIDE, ANHYDROUS	2.3	8	–	–	0	E0	P200	–	–	–
2198	PHOSPHORUS PENTAFLUORIDE	2.3	8	–	–	0	E0	P200	–	–	–
2199	PHOSPHINE	2.3	2.1	–	–	0	E0	P200	–	–	–
2200	PROPADIENE, STABILIZED	2.1	–	–	386	0	E0	P200	–	–	–
2201	NITROUS OXIDE, REFRIGERATED LIQUID	2.2	5.1	–	–	0	E0	P203	–	–	–
2202	HYDROGEN SELENIDE, ANHYDROUS	2.3	2.1	–	–	0	E0	P200	–	–	–
2203	SILANE	2.1	–	–	–	0	E0	P200	–	–	–
2204	CARBONYL SULPHIDE	2.3	2.1	–	–	0	E0	P200	–	–	–
2205	ADIPONITRILE	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-C, S-W	Category D SW2 H1	SG6 SG19	Non-flammable, toxic and corrosive, colourless gas with a foul odour. Strong oxidizing agent. Reacts slowly with water or moist air to produce poisonous and corrosive fumes. Corrosive to glass and to most metals. Heavier than air (1.9). Highly irritating to skin, eyes and mucous membranes.	2190
–	–	–	F-C, S-U	Category D SW2	–	Non-flammable, toxic, colourless, odourless gas. Reacts with water or moist air to produce toxic and corrosive fumes. Much heavier than air (3.5). Irritating to skin, eyes and mucous membranes.	2191
–	–	–	F-D, S-U	Category D SW2	–	Flammable, toxic, colourless gas with a pungent odour. Much heavier than air (2.6).	2192
–	–	–	F-C, S-V	Category A	–	Non-flammable, colourless and odourless gas. Much heavier than air (4.8). Cannot remain in liquid state above 24.3°C.	2193
–	–	–	F-C, S-U	Category D SW2	–	Colourless, toxic and corrosive gas. Corrosive to glass and to most metals. Heavier than air. Highly irritating to skin, eyes and mucous membranes.	2194
–	–	–	F-C, S-U	Category D SW2	–	Non-flammable, toxic and corrosive colourless gas with an unpleasant odour. Decomposes in water, evolving highly toxic and corrosive fumes. Corrosive to glass and to most metals. Much heavier than air (7.2). Highly irritating to skin, eyes and mucous membranes.	2195
–	–	–	F-C, S-U	Category D SW2	–	Non-flammable, toxic and corrosive, colourless gas, or yellow liquid. Decomposes in water or moist air, evolving highly toxic and corrosive fumes. Corrosive to glass and to most metals. Much heavier than air (10.3). Boiling point: 19.5°C. Highly irritating to skin, eyes and mucous membranes.	2196
–	–	–	F-C, S-U	Category D SW2	–	Non-flammable, toxic and corrosive colourless gas with a pungent odour. Highly corrosive in the presence of water. Much heavier than air (4.4). Highly irritating to skin, eyes and mucous membranes.	2197
–	–	–	F-C, S-U	Category D SW2	–	Non-flammable, toxic and corrosive gas with an irritating odour. Reacts with water or moist air to produce toxic and corrosive fumes. Corrosive to glass and to most metals. Much heavier than air (4.3). Highly irritating to skin, eyes and mucous membranes.	2198
–	–	–	F-D, S-U	Category D SW2	–	Flammable, toxic, colourless gas with a garlic odour. Ignites spontaneously in air. Heavier than air (1.2). Irritating to skin, eyes and mucous membranes.	2199
–	–	–	F-D, S-U	Category B SW1 SW2	–	Liquefied, flammable, colourless gas. Explosive limits: 1.7% to 12%. Heavier than air (1.4). Boiling point: –34°C. Irritating to skin, eyes and mucous membranes.	2200
–	T75	TP5 TP22	F-C, S-W	Category D SW2	–	Liquefied, non-flammable, colourless gas with a slightly sweet odour. Strong oxidizing agent. Heavier than air (1.5). Cannot remain in liquid state above 36.5°C.	2201
–	–	–	F-D, S-U	Category D SW2	–	Flammable, toxic, colourless gas with a disagreeable odour. Much heavier than air (2.8). Highly irritating to skin, eyes and mucous membranes.	2202
–	–	–	F-D, S-U	Category E SW2	SG43 SG46	Flammable, colourless gas with a foul odour. Explosive limits: 1% to 100%. Ignites spontaneously in air. Strong reducing agent which reacts violently with oxidizing substances. Heavier than air (1.1).	2203
–	–	–	F-D, S-U	Category D SW2	–	Flammable, toxic, colourless gas with a foul odour. Much heavier than air (2.1).	2204
–	T3	TP1	F-A, S-A	Category A	SGG6	Colourless, odourless oil. Decomposes above 93°C, evolving hydrogen cyanide, a highly toxic and flammable gas. Toxic if swallowed, by skin contact or by inhalation.	2205

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2206	ISOCYANATES, TOXIC, N.O.S. or ISOCYANATE SOLUTION, TOXIC, N.O.S.	6.1	–	II	274	100 mL	E4	P001	–	IBC02	–
2206	ISOCYANATES, TOXIC, N.O.S. or ISOCYANATE SOLUTION, TOXIC, N.O.S.	6.1	–	III	223 274	5 L	E1	P001 LP01	–	IBC03	–
2208	CALCIUM HYPOCHLORITE MIXTURE, DRY with more than 10% but not more than 39% available chlorine	5.1	– P	III	314	5 kg	E1	P002	PP85	–	–
2209	FORMALDEHYDE SOLUTION with not less than 25% formaldehyde	8	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2210	MANEB or MANEB PREPARATION with not less than 60% maneb	4.2	4.3 P	III	273	0	E1	P002	PP100	IBC06	–
2211	POLYMERIC BEADS, EXPANDABLE, evolving flammable vapour	9	–	III	382 965	5 kg	E1	P002	PP14	IBC08	B3 B6
2212	ASBESTOS, AMPHIBOLE (amosite, tremolite, actinolite, anthophyllite, crocidolite)	9	–	II	168 274	1 kg	E0	P002	PP37	IBC08	B4 B21
2213	PARAFORMALDEHYDE	4.1	–	III	223 967	5 kg	E1	P002 LP02	PP12	IBC08	B3
2214	PHTHALIC ANHYDRIDE with more than 0.05% of maleic anhydride	8	–	III	169 939	5 kg	E1	P002 LP02	–	IBC08	B3

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T11	TP2 TP13 TP27	F-A, S-A	Category E SW1 SW2	–	Liquids with a pungent odour. Immiscible with water but react with it to form carbon dioxide. Toxic if swallowed, by skin contact or by inhalation. If under deck, with mechanical ventilation, six air changes per hour, except when carried in closed containers, when two air changes per hour are required. Irritating to skin, eyes and mucous membranes.	2206
–	T7	TP1 TP13 TP28	F-A, S-A	Category E SW1 SW2	–	See entry above.	2206
–	–	–	F-H, S-Q	Category D SW1 SW11	SGG8 SG35 SG38 SG49 SG53 SG60	White or yellowish solid (powder, granules or tablets) with chlorine-like odour. Soluble in water. May cause fire in contact with organic material or ammonium compounds. Substances are liable to exothermic decomposition at elevated temperatures. This condition may lead to fire or explosion. Decomposition can be initiated by heat or by impurities (e.g. powdered metals (iron, manganese, cobalt, magnesium) and their compounds). Liable to heat slowly. Reacts with acids, evolving chlorine, an irritating, corrosive and toxic gas. In the presence of moisture, corrosive to most metals. Dust irritates mucous membranes.	2208
–	T4	TP1	F-A, S-B	Category A	–	Colourless, clear liquid, with a suffocating pungent odour. Usually stabilized with methyl alcohol. Miscible with water. Causes burns to skin, eyes and mucous membranes.	2209
–	T1	TP33	F-G, S-L	Category A H1	SG26 SG29	Yellow powder, liable to heat and to ignite spontaneously in air. May evolve toxic, irritating or flammable fumes when wet, when involved in a fire or in contact with acids. Used as fungicide.	2210
–	T1	TP33	F-A, S-I	Category E SW1 SW6	SG5 SG14	A moulding material in bead or granular form consisting predominantly of polystyrene, poly(methyl methacrylate) or other polymeric material and containing 5% to 8% of a volatile hydrocarbon which is predominantly pentane. During storage, a small proportion of this pentane is released to the atmosphere; this proportion increases at elevated temperatures.	2211
–	T3	TP33	F-A, S-A	Category A SW2 H4	SG29	Mineral fibres of varying length. Non-combustible. Inhalation of the dust of asbestos fibres is dangerous and therefore exposure should be avoided at all times. Always prevent the generation of asbestos dust. A safe level of airborne concentration of asbestos fibres may be obtained through effective packing. Cargo spaces or freight containers that have contained any type of raw asbestos should be carefully cleaned before discharging any remaining cargo, loading other cargo or carrying out repair or maintenance work. Whenever possible, cleaning of cargo spaces should be carried out whilst the ship is in a port where proper facilities and equipment, including proper respiratory apparatus and protective clothing, is available. Parts of the body that may have been exposed should be immediately and thoroughly washed. All waste material should be collected in impermeable and sealed bags for safe disposal ashore. If cleaning cannot be carried out at the discharge port, arrangements should be made in advance for cleaning to be carried out at the next port where necessary facilities are available.	2212
–	T1 BK2 BK3	TP33	F-A, S-G	Category A SW23	–	White powder with a pungent odour. Evolves formaldehyde, particularly when heated, which is irritating to eyes and mucous membranes.	2213
–	T1	TP33	F-A, S-B	Category A	SGG1 SG36 SG49	White powder or flakes and lumps containing a high proportion of dust. Melting point: 131°C. The vapour of the molten substance has a flashpoint of 152°C c.c. and forms a flammable atmosphere with explosive limits of 1.7% to 10.4%. Causes burns to skin, eyes and mucous membranes. May be carried in the molten state. The molten substance can cause severe skin burns.	2214

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2215	MALEIC ANHYDRIDE	8	–	III	–	5 kg	E1	P002	–	IBC08	B3
2215	MALEIC ANHYDRIDE, MOLTEN	8	–	III	–	0	E0	–	–	–	–
2216	FISH MEAL (FISH SCRAP), STABILIZED Anti-oxidant treated. Moisture content greater than 5% but not exceeding 12%, by mass. Fat content not more than 15%	9	–	III	29 117 300 308 907 928 973	0	E1	P900	–	IBC08	B3
2217	SEED CAKE with not more than 1.5% oil and not more than 11% moisture	4.2	–	III	29 142 973	0	E0	P002 LP02	PP20	IBC08	B3 B6
2218	ACRYLIC ACID, STABILIZED	8	3 P	II	386	1 L	E2	P001	–	IBC02	–
2219	ALLYL GLYCIDYL ETHER	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2222	ANISOLE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2224	BENZONITRILE	6.1	–	II	–	100 mL	E4	P001	–	IBC02	–
2225	BENZENESULPHONYL CHLORIDE	8	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2226	BENZOTRICHLORIDE	8	–	II	–	1 L	E2	P001	–	IBC02	–
2227	n-BUTYL METHACRYLATE, STABILIZED	3	–	III	386	5 L	E1	P001 LP01	–	IBC03	–
△ 2232	2-CHLOROETHANAL	6.1	–	I	354	0	E0	P602	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T1	TP33	F-A, S-B	Category A	SGG1 SG36 SG49 SG50 SG57	White powder, needles, flakes, pellets, rods, briquettes, lumps or fused mass. Melting point: about 53°C. Fumes and dust are irritating to skin, eyes and mucous membranes. Inhalation can cause respiratory trouble.	2215
–	T4	TP3	F-A, S-B	Category A	SGG1 SG36 SG49 SG50 SG57	Melting point: about 53°C. The vapour of the molten substance has a flashpoint of 103°C c.c. and forms a flammable atmosphere with explosive limits of 1.4% to 7.1%. Fumes are irritating to skin, eyes and mucous membranes.	2215
–	T1 BK2	TP33	F-A, S-J	Category B SW24	SG18 SG65	Brown to greenish-brown product obtained through heating and drying of oily fish. Strong odour which may affect other cargo. Liable to heat spontaneously unless of low fat content or effectively anti-oxidant treated.	2216
–	BK2	–	F-A, S-J	Category A SW1 SW4 H1	–	Residue remaining after oil has been extracted by a solvent process from oil-bearing seeds. Used mainly as an animal feed or fertilizer. The most common seed cakes include those derived from coconut (copra), cottonseed, groundnut (peanut), linseed, maize (hominy chop), niger seed, palm kernel, rape seed, rice bran, soya bean and sunflower seed and they may be shipped in the form of cake, flakes, pellets, meal, etc. May self-heat slowly if wet and ignite spontaneously. Before shipment, this cargo should be properly aged. The duration of ageing varies with the oil content. The seed cake should be substantially free from flammable solvent. Smoking and the use of naked lights should not be allowed during loading and unloading, and on entry to cargo spaces at any other time.	2217
–	T7	TP2	F-E, S-C	Category C SW1 SW2	SGG1 SG36 SG49	Colourless, flammable liquid with an acrid odour. Melting point: 13°C. Flashpoint: 54°C o.c. Miscible with water. May polymerize violently, which may cause fire and explosion, unless properly stabilized. Harmful if swallowed or by inhalation. Corrosive to skin, eyes and mucous membranes.	2218
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid. Flashpoint: 48°C c.c. Miscible with water. Harmful by inhalation. Irritating to skin, eyes and mucous membranes.	2219
–	T2	TP1	F-E, S-D	Category A	–	Colourless to yellow liquid. Flashpoint: 41°C c.c. Explosive limits: 0.3% to 6.3%. Immiscible with water. Irritating to skin, eyes and mucous membranes.	2222
–	T7	TP2	F-A, S-A	Category A SW2	SG35	Colourless liquid with an odour similar to oil of bitter almonds. Reacts with acids, evolving hydrogen cyanide, a highly toxic and flammable gas. Toxic if swallowed, by skin contact or by inhalation.	2224
–	T4	TP1	F-A, S-B	Category A SW2	SGG1	Colourless to slightly yellow liquid with a pungent odour. Melting point: 12°C. Immiscible with water. Decomposes slowly in water. Harmful if swallowed or by skin contact. Highly irritating to skin, eyes and mucous membranes.	2225
–	T7	TP2	F-A, S-B	Category A SW2	SGG1 SG36 SG49	Colourless to slightly yellow or brown fuming liquid. Reacts with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. In the presence of moisture, corrosive to most metals. Harmful if swallowed, by skin contact or by inhalation. Burns skin and eyes. Vapour irritates eyes and mucous membranes.	2226
–	T2	TP1	F-E, S-D	Category C SW1	–	Colourless liquid. Flashpoint: 41°C c.c. Explosive limits: 2% to 8%. Immiscible with water. Irritating to skin, eyes and mucous membranes.	2227
–	T20	TP2 TP13	F-A, S-A	Category D SW2	–	Clear colourless liquid with a pungent odour. Miscible with water. Highly toxic if swallowed, by skin contact or by inhalation.	2232

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2233	CHLOROANISIDINES	6.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2234	CHLOROBENZOTRIFLUORIDES	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2235	CHLOROBENZYL CHLORIDES, LIQUID	6.1	– P	III	–	5 L	E1	P001 LP01	–	IBC03	–
2236	3-CHLORO-4-METHYLPHENYL ISOCYANATE, LIQUID	6.1	–	II	–	100 mL	E4	P001	–	IBC02	–
2237	CHLORONITROANILINES	6.1	– P	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2238	CHLOROTOLUENES	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2239	CHLOROTOLUIDINES, SOLID	6.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2240	CHROMOSULPHURIC ACID	8	–	I	–	0	E0	P001	–	–	–
2241	CYCLOHEPTANE	3	– P	II	–	1 L	E2	P001	–	IBC02	–
2242	CYCLOHEPTENE	3	–	II	–	1 L	E2	P001	–	IBC02	–
2243	CYCLOHEXYL ACETATE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2244	CYCLOPENTANOL	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2245	CYCLOPENTANONE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2246	CYCLOPENTENE	3	–	II	–	1 L	E2	P001	–	IBC02	B8
2247	<i>n</i> -DECANE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2248	DI- <i>n</i> -BUTYLAMINE	8	3	II	–	1 L	E2	P001	–	IBC02	–
△ 2249	DICHLORODIMETHYL ETHER, SYMMETRICAL	6.1	3	I	976	0	E0	P099	–	–	–
2250	DICHLOROPHENYL ISOCYANATES	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T1	TP33	F-A, S-A	Category A	–	Crystalline solid. Melting point: 52°C. Soluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	2233
–	T2	TP1	F-E, S-D	Category A SW2	SGG10	Colourless liquids with an aromatic odour. Flashpoint: 36°C to 59°C c.c. On contact with moisture, can evolve hydrogen fluoride, which is a toxic and corrosive gas. Harmful by inhalation.	2234
–	T4	TP1	F-A, S-A	Category A	–	Colourless liquid. Immiscible with water. Toxic if swallowed, by skin contact or by inhalation.	2235
–	–	–	F-A, S-A	Category B SW2	–	Colourless liquid with a pungent odour. Immiscible with water. Reacts with water, evolving carbon dioxide. Toxic if swallowed, by skin contact or by inhalation. Irritating to skin, eyes and mucous membranes.	2236
–	T1	TP33	F-A, S-A	Category A	–	Yellow or orange crystalline powders or needles. Insoluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	2237
–	T2	TP1	F-E, S-D	Category A	SGG10	Colourless to brown liquids. Flashpoint: 43°C to 47°C c.c. Immiscible with water. When involved in a fire, evolve toxic gases. Harmful by skin contact or by inhalation. Irritating to eyes and mucous membranes.	2238
–	T1	TP33	F-A, S-A	Category A	–	Crystalline solids. Some isomers may melt at low temperature: melting range between 0°C and 24°C. Toxic if swallowed, by skin contact or by inhalation.	2239
–	T10	TP2 TP13	F-A, S-B	Category B SW2	SGG1a SG6 SG16 SG17 SG19 SG36 SG49	A liquid mixture of sulphuric acid and a chromium compound (e.g. chromium trioxide or sodium dichromate) and sometimes also water. Highly corrosive to most metals. Causes severe burns to skin, eyes and mucous membranes.	2240
–	T4	TP2	F-E, S-D	Category B SW2	–	Oily liquid. Immiscible with water. Narcotic.	2241
–	T4	TP1	F-E, S-D	Category B	–	Oily liquid. Immiscible with water.	2242
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid. Flashpoint: 56°C c.c. Immiscible with water. Irritating to skin, eyes and mucous membranes.	2243
–	T2	TP1	F-E, S-D	Category A	–	Colourless, oily liquid. Flashpoint: 51°C c.c. Immiscible with water.	2244
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid. Flashpoint: 31°C c.c. Immiscible with water.	2245
–	T7	TP2	F-E, S-D	Category E	–	Colourless liquid. Flashpoint: –30°C c.c. Boiling point: 44°C. Immiscible with water. Irritating to skin, eyes and mucous membranes. Narcotic.	2246
–	T2	TP1	F-E, S-E	Category A	–	Colourless liquid. Flashpoint: 47°C c.c. Explosive limits: 0.6% to 5.5%. Immiscible with water.	2247
–	T7	TP2	F-E, S-C	Category A	SG35	Colourless, flammable liquid with an amine odour. Flashpoint: 39°C c.c. Partially miscible with water. Decomposes when heated, evolving flammable and toxic gases. Liquid is corrosive to skin, eyes and mucous membranes. Vapour irritates mucous membranes.	2248
–	–	–	F-E, S-D	Category D SW2	–	Colourless, volatile, flammable liquid. Flashpoint: 42°C c.c. Immiscible with water. Decomposed by heat and water. Highly toxic if swallowed, by skin contact or by inhalation. The transport of this substance is prohibited except with special authorization granted by the competent authorities.	2249
–	T3	TP33	F-A, S-A	Category B SW1 SW2	–	Colourless to yellowish crystalline solid with an irritating odour. Insoluble in water. Reacts with water, evolving carbon dioxide. Toxic if swallowed, by skin contact or by inhalation. May be carried in the molten state. Irritating to skin, eyes and mucous membranes.	2250

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2251	BICYCLO[2.2.1]-HEPTA-2,5-DIENE, STABILIZED (2,5-NORBORNADIENE, STABILIZED)	3	–	II	386	1 L	E2	P001	–	IBC02	–
2252	1,2-DIMETHOXYETHANE	3	–	II	–	1 L	E2	P001	–	IBC02	–
2253	N,N-DIMETHYLANILINE	6.1	–	II	–	100 mL	E4	P001	–	IBC02	–
2254	MATCHES, FUSEE	4.1	–	III	293	5 kg	E0	P407	–	–	–
2256	CYCLOHEXENE	3	–	II	–	1 L	E2	P001	–	IBC02	–
2257	POTASSIUM	4.3	–	I	–	0	E0	P403	PP31	IBC04	B1
2258	1,2-PROPYLENEDIAMINE	8	3	II	–	1 L	E2	P001	–	IBC02	–
2259	TRIETHYLENETETRAMINE	8	–	II	–	1 L	E2	P001	–	IBC02	–
2260	TRIPROPYLAMINE	3	8	III	–	5 L	E1	P001	–	IBC03	–
2261	XYLENOLS, SOLID	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
2262	DIMETHYLCARBAMOYL CHLORIDE	8	–	II	–	1 L	E2	P001	–	IBC02	–
2263	DIMETHYLCYCLOHEXANES	3	–	II	–	1 L	E2	P001	–	IBC02	–
2264	N,N-DIMETHYL-CYCLOHEXYLAMINE	8	3	II	–	1 L	E2	P001	–	IBC02	–
2265	N,N-DIMETHYLFORMAMIDE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2266	DIMETHYL-N-PROPYLAMINE	3	8	II	–	1 L	E2	P001	–	IBC02	–
2267	DIMETHYL THIOPHOSPHORYL CHLORIDE	6.1	8	II	–	100 mL	E4	P001	–	IBC02	–
2269	3,3'-IMINODIPROPYLAMINE	8	–	III	–	5 L	E1	P001 LP01	–	IBC03	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T7	TP2	F-E, S-D	Category D SW1	–	Colourless, volatile liquid. Flashpoint: below –18°C c.c. Explosive limits: 1.7% to 6.3%. Immiscible with water.	2251
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid with an ethereal odour. Flashpoint: 1°C c.c. Miscible with water.	2252
–	T7	TP2	F-A, S-A	Category A	–	Yellowish to brownish oily liquid. Combustible. Toxic if swallowed, by skin contact or by inhalation.	2253
–	–	–	F-A, S-I	Category A	–	Matches, the heads of which are prepared with a friction-sensitive igniter composition and a pyrotechnic composition which burns with little or no flame, but with intense heat, regardless of wind or other weather conditions.	2254
–	T4	TP1	F-E, S-D	Category E	–	Colourless liquid with an aromatic odour. Immiscible with water. Slightly irritating to skin, eyes and mucous membranes.	2256
–	T9	TP7 TP33	F-G, S-N	Category D H1	SG26 SG35	Soft, silvery metal, solid or liquid. Floats on water. Reacts violently with moisture, water or acids, evolving hydrogen, which may be ignited by the heat of the reaction. Highly reactive, sometimes with explosive effect.	2257
–	T7	TP2	F-E, S-C	Category A SW2	SG35	Colourless, flammable liquid with an ammoniacal odour. Flashpoint range: 33°C to 48°C c.c. Miscible with water. When involved in a fire, evolves toxic gases. Harmful by inhalation. Causes burns to skin and eyes. Irritating to mucous membranes.	2258
–	T7	TP2	F-A, S-B	Category B SW2	SGG18 SG35	Moderately viscous, yellow combustible liquid with an ammoniacal odour. Miscible with water. Strongly alkaline. Can form explosive mixtures with nitric acid. When involved in a fire, evolves toxic gases. Corrosive to copper and copper alloys. Reacts violently with acids. Liquid and vapours cause burns to skin, eyes and mucous membranes. Causes skin allergy.	2259
–	T4	TP1	F-E, S-C	Category A SW2	SG35	Colourless liquid. Flashpoint: 35°C c.c. Partially miscible with water. When involved in a fire, evolves toxic gases. Harmful by inhalation. Causes burns to skin and eyes. Irritating to mucous membranes.	2260
–	T3	TP33	F-A, S-A	Category A	–	Crystals or needles. Toxic if swallowed, by skin contact or by inhalation.	2261
–	T7	TP2	F-A, S-B	Category A SW2	SGG1 SG36 SG49	Colourless to yellow liquid with a pungent odour. Immiscible with water. Reacts with water, evolving toxic and corrosive fumes. Causes tears. Causes burns to skin, eyes and mucous membranes.	2262
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquids. Flashpoint: 5°C to 16°C c.c. Immiscible with water.	2263
–	T7	TP2	F-E, S-C	Category A SW2	SG35	Colourless, flammable liquid. Flashpoint: 43°C c.c. Partially miscible with water. Causes burns to skin, eyes and mucous membranes.	2264
–	T2	TP2	F-E, S-D	Category A	–	Colourless liquid. Flashpoint: 58°C c.c. Explosive limits: 2.2% to 16%. Miscible with water. May react violently with oxidizing materials.	2265
–	T7	TP2 TP13	F-E, S-C	Category B SW2	SG35	Colourless liquid with a fishy odour. Flashpoint: –11°C c.c. Miscible with water. Harmful by inhalation. Causes burns to skin, eyes and mucous membranes.	2266
–	T7	TP2	F-A, S-B	Category B SW1	SGG1 SG36 SG49	Colourless, combustible liquid with a pungent odour. Reacts slowly with water, evolving hydrogen chloride, a corrosive gas apparent as white fumes. May decompose above 60°C, evolving flammable gases. Toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	2267
–	T4	TP2	F-A, S-B	Category A	SG35	Colourless combustible liquid. Miscible with water. Harmful if swallowed or by inhalation. Corrosive to skin, eyes and mucous membranes.	2269

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2270	ETHYLAMINE, AQUEOUS SOLUTION with not less than 50% but not more than 70% ethylamine	3	8	II	–	1 L	E2	P001	–	IBC02	–
2271	ETHYL AMYL KETONES	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2272	N-ETHYLANILINE	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2273	2-ETHYLANILINE	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2274	N-ETHYL-N-BENZYLANILINE	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2275	2-ETHYLBUTANOL	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2276	2-ETHYLHEXYLAMINE	3	8	III	–	5 L	E1	P001	–	IBC03	–
2277	ETHYL METHACRYLATE, STABILIZED	3	–	II	386	1 L	E2	P001	–	IBC02	–
2278	n-HEPTENE	3	–	II	–	1 L	E2	P001	–	IBC02	–
2279	HEXACHLOROBUTADIENE	6.1	– P	III	–	5 L	E1	P001 LP01	–	IBC03	–
2280	HEXAMETHYLENEDIAMINE, MOLTEN	8	–	III	–	0	E0	–	–	–	–
2280	HEXAMETHYLENEDIAMINE, SOLID	8	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2281	HEXAMETHYLENE DIISOCYANATE	6.1	–	II	–	100 mL	E4	P001	–	IBC02	–
2282	HEXANOLS	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2283	ISOBUTYL METHACRYLATE, STABILIZED	3	–	III	386	5 L	E1	P001 LP01	–	IBC03	–
2284	ISOBUTYRONITRILE	3	6.1	II	–	1 L	E2	P001	–	IBC02	–
2285	ISOCYANATO BENZO-TRIFLUORIDES	6.1	3	II	–	100 mL	E4	P001	–	IBC02	–

Portable tanks and bulk containers			EmS (15) 5.4.3.4 7.8	Stowage and handling (16a) 7.1 7.3–7.7	Segregation (16b) 7.2–7.7	Properties and observations (17)	UN No. (18)
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
–	T7	TP1	F-E, S-C	Category B SW2	SGG18 SG35	Aqueous solution of a flammable gas with an ammonia-like odour. Explosive limits: 3.5% to 14%. ETHYLAMINE SOLUTION, concentration 50%: flashpoint –11°C c.c.; boiling point 56°C. Pure ETHYLAMINE: boiling point 17°C. Miscible with water. Harmful by inhalation. Causes burns to skin, eyes and mucous membranes. Reacts violently with acids.	2270
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquids. Vapour is much heavier than air (4.4). ETHYL <i>normal</i> -AMYL KETONE: flashpoint 43°C c.c. ETHYL <i>secondary</i> -AMYL KETONE: flashpoint 57°C c.c. Immiscible with water. Dissolves some types of plastics. Irritating to skin, eyes and mucous membranes.	2271
–	T4	TP1	F-A, S-A	Category A	SG17 SG35	Colourless to yellowish oily liquid. Reacts with acids, evolving highly toxic fumes of aniline and oxides of nitrogen. Reacts violently with oxidizing substances. Toxic if swallowed, by skin contact or by inhalation.	2272
–	T4	TP1	F-A, S-A	Category A	SG17 SG35	Brown liquid. Immiscible with water. Reacts with acids, evolving highly toxic fumes of aniline and oxides of nitrogen. Reacts violently with oxidizing substances. Toxic if swallowed, by skin contact or by inhalation.	2273
–	T4	TP1	F-A, S-A	Category A	–	Light yellow, oily liquid. Immiscible with water. Toxic if swallowed, by skin contact or by inhalation.	2274
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid. Flashpoint: 57°C o.c. Immiscible with water.	2275
–	T4	TP1	F-E, S-C	Category A SW2	SG35	Colourless liquid. Flashpoint: 50°C c.c. Miscible with water. Irritating to skin, eyes and mucous membranes.	2276
–	T4	TP1	F-E, S-D	Category C SW1	–	Colourless liquid with a pungent odour. Flashpoint: 20°C o.c. Lower explosive limit: 1.8%. Immiscible with water. Irritating to skin, eyes and mucous membranes.	2277
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid. Flashpoint: –3°C c.c. Immiscible with water.	2278
–	T4	TP1	F-A, <u>S-A</u>	Category A	SGG10	Colourless liquid. Immiscible with water. Toxic if swallowed, by skin contact or by inhalation.	2279
–	T4	TP1	F-A, S-B	Category A SW1 H2	SG35	White crystals or shiny flakes with a specific odour. Melting point: 29°C. Soluble in water; solution in water is a strong alkali. Decomposes when heated, evolving flammable and toxic gases. Causes burns to skin, eyes and mucous membranes.	2280
–	T1	TP33	F-A, S-B	Category A SW1 H2	SG35	See entry above.	2280
–	T7	TP2 TP13	F-A, S-A	Category C SW2 H1	–	Colourless to light yellow liquid with a pungent odour. Immiscible with water but reacts with it, evolving heat and carbon dioxide gas. When heated, evolves toxic nitrous fumes. Toxic if swallowed, by skin contact or by inhalation. Irritating to skin, eyes and mucous membranes.	2281
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquids. <i>normal</i> -HEXANOL: flashpoint 57°C c.c. Miscible with water.	2282
–	T2	TP1	F-E, S-D	Category C SW1	–	Colourless liquid. Flashpoint: 49°C c.c. Immiscible with water. Irritating to skin, eyes and mucous membranes.	2283
–	T7	TP2 TP13	F-E, S-D	Category E SW2	–	Colourless liquid. Flashpoint: 8°C c.c. Immiscible with water. Toxic by skin contact or by inhalation.	2284
–	T7	TP2	F-E, S-D	Category D SW1 SW2	–	Colourless or yellowish liquids with a pungent odour. Flashpoint of <i>ortho</i> - and <i>meta</i> -isomers: 56°C. Immiscible with water, but reacts with it to form carbon dioxide gas. Toxic if swallowed, by skin contact or by inhalation. Irritating to skin, eyes and mucous membranes.	2285

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2286	PENTAMETHYLHEPTANE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2287	ISOHEPTENES	3	–	II	–	1 L	E2	P001	–	IBC02	–
2288	ISOHEXENES	3	–	II	–	1 L	E2	P001	–	IBC02	B8
2289	ISOPHORONEDIAMINE	8	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2290	ISOPHORONE DIISOCYANATE	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2291	LEAD COMPOUND, SOLUBLE, N.O.S.	6.1	– P	III	199 274	5 kg	E1	P002 LP02	–	IBC08	B3
2293	4-METHOXY-4-METHYL-PENTAN-2-ONE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2294	N-METHYLANILINE	6.1	– P	III	–	5 L	E1	P001 LP01	–	IBC03	–
2295	METHYL CHLOROACETATE	6.1	3	I	–	0	E0	P001	–	–	–
2296	METHYLCYCLOHEXANE	3	– P	II	–	1 L	E2	P001	–	IBC02	–
2297	METHYLCYCLOHEXANONE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2298	METHYLCYCLOPENTANE	3	–	II	–	1 L	E2	P001	–	IBC02	–
2299	METHYL DICHLOROACETATE	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2300	2-METHYL-5-ETHYLPYRIDINE	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2301	2-METHYLFURAN	3	–	II	–	1 L	E2	P001	–	IBC02	–
2302	5-METHYLHEXAN-2-ONE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2303	ISOPROPENYLBENZENE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2304	NAPHTHALENE, MOLTEN	4.1	– P	III	–	0	E0	–	–	–	–
2305	NITROBENZENESULPHONIC ACID	8	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid. Flashpoint: 43°C c.c. Immiscible with water.	2286
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquids. Immiscible with water.	2287
–	T11	TP1	F-E, S-D	Category E	–	Colourless liquids. Boiling range: 54°C to 69°C. Immiscible with water.	2288
–	T4	TP1	F-A, S-B	Category A	SG35	Colourless, slightly hygroscopic liquid with a slight amine odour. Combustible. Miscible with water. Harmful if swallowed. Irritating to skin, eyes and mucous membranes.	2289
–	T4	TP2	F-A, S-A	Category B SW2	–	Colourless or yellowish liquid. Immiscible with water. When involved in a fire, evolves nitrous fumes. Toxic if swallowed, by skin contact or by inhalation. Irritating to skin, eyes and mucous membranes.	2290
–	T1	TP33	F-A, S-A	Category A	SGG7 SGG9	Colourless crystals or powder. Soluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	2291
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid. Flashpoint: 49°C c.c. Immiscible with water.	2293
–	T4	TP2	F-A, S-A	Category A	–	Colourless to brown combustible liquid. Toxic if swallowed, by skin contact or by inhalation.	2294
–	T14	TP2 TP13	F-E, S-D	Category D	–	Colourless, flammable liquid with a pungent odour. Flashpoint: 47°C c.c. Vapour much heavier than air (vapour density relative to air: 3.8). Immiscible with water. Highly toxic if swallowed, by skin contact or by inhalation.	2295
–	T4	TP2	F-E, S-D	Category B	–	Colourless liquid. Flashpoint: –4°C c.c. Explosive limits: 1.2% to 6.7%. Immiscible with water. Irritating to skin, eyes and mucous membranes.	2296
–	T2	TP1	F-E, S-D	Category A	–	Colourless to pale yellow liquids with a sweet odour. 2-METHYLCYCLOHEXANONE: flashpoint 46°C c.c. 3-METHYLCYCLOHEXANONE: flashpoint 51°C c.c. 4-METHYLCYCLOHEXANONE: flashpoint 40°C c.c. Immiscible with water.	2297
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid. Flashpoint: below –10°C c.c. Explosive limits: 1% to 8.4%. Immiscible with water. Irritating to skin, eyes and mucous membranes.	2298
–	T4	TP1	F-A, S-A	Category A	–	Liquid. Toxic if swallowed, by skin contact or by inhalation.	2299
–	T4	TP1	F-A, S-A	Category A	–	Colourless liquid with a pungent odour. Toxic if swallowed, by skin contact or by inhalation.	2300
–	T4	TP1	F-E, S-D	Category E	–	Colourless liquid with a sweetish odour. Flashpoint: –30°C c.c. Immiscible with water. When involved in a fire, evolves toxic gases. Harmful if swallowed or by inhalation. Irritating to skin, eyes and mucous membranes.	2301
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid. Flashpoint: 43°C c.c. Immiscible with water.	2302
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid. Flashpoint: 38°C to 54°C c.c. Explosive limits: 0.7% to 6.6%. Immiscible with water. Irritating to skin, eyes and mucous membranes.	2303
–	T1	TP3	F-A, S-H	Category C	–	Molten liquid with a persistent odour. Melting point: 80°C. Evolves flammable vapours. As the melting point of naphthalene approximates very closely its flashpoint, care should be taken to avoid all possible causes of ignition. Contact between water and molten naphthalene above 110°C must be avoided, as the addition of water will cause violent foaming or even an explosion.	2304
–	T3	TP33	F-A, S-B	Category A	SGG1 SG36 SG49	Crystals. Soluble in water. Causes burns to skin, eyes and mucous membranes.	2305

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2306	NITROBENZOTRIFLUORIDES, LIQUID	6.1	– P	II	–	100 mL	E4	P001	–	IBC02	–
2307	3-NITRO-4-CHLORO-BENZOTRIFLUORIDE	6.1	– P	II	–	100 mL	E4	P001	–	IBC02	–
2308	NITROSULPHURIC ACID, LIQUID	8	–	II	–	1 L	E2	P001	–	IBC02	B20
2309	OCTADIENE	3	–	II	–	1 L	E2	P001	–	IBC02	–
2310	PENTANE-2,4-DIONE	3	6.1	III	–	5 L	E1	P001	–	IBC03	–
2311	PHENETIDINES	6.1	–	III	279	5 L	E1	P001 LP01	–	IBC03	–
2312	PHENOL, MOLTEN	6.1	–	II	–	0	E0	–	–	–	–
2313	PICOLINES	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2315	POLYCHLORINATED BIPHENYLS, LIQUID	9	– P	II	305	1 L	E2	P906	–	IBC02	–
2316	SODIUM CUPROCYANIDE, SOLID	6.1	– P	I	–	0	E5	P002	–	IBC07	B1
2317	SODIUM CUPROCYANIDE SOLUTION	6.1	– P	I	–	0	E5	P001	–	–	–
2318	SODIUM HYDROSULPHIDE with less than 25% water of crystallization	4.2	–	II	–	0	E2	P410	PP31	IBC06	B21
2319	TERPENE HYDROCARBONS, N.O.S.	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2320	TETRAETHYLENEPENTAMINE	8	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2321	TRICHLOROBENZENES, LIQUID	6.1	– P	III	–	5 L	E1	P001 LP01	–	IBC03	–
2322	TRICHLOROBUTENE	6.1	– P	II	–	100 mL	E4	P001	–	IBC02	–
2323	TRIETHYL PHOSPHITE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2324	TRIISOBUTYLENE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–

Portable tanks and bulk containers			EmS (15) 5.4.3.4 7.8	Stowage and handling (16a) 7.1 7.3–7.7	Segregation (16b) 7.2–7.7	Properties and observations (17)	UN No. (18)
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
–	T7	TP2	F-A, <u>S-A</u>	Category A SW2	–	Pale straw-coloured, oily liquids with an aromatic odour. Immiscible with water. Toxic if swallowed, by skin contact or by inhalation.	2306
–	T7	TP2	F-A, <u>S-A</u>	Category A SW2	–	Yellowish, oily liquid. Immiscible with water. Toxic if swallowed, by skin contact or by inhalation.	2307
–	T8	TP2	F-A, S-B	Category D SW2	SGG1a SG6 SG16 SG17 SG19 SG36 SG49	Clear, straw-coloured, oily liquid. Oxidant which may cause fire with organic materials (such as wood, straw, etc.). When involved in a fire, evolves toxic gases. In the presence of moisture, highly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	2308
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid. Flashpoint: 9°C to 15°C c.c. Immiscible with water.	2309
–	T4	TP1	F-E, S-D	Category A	–	Colourless liquid. Flashpoint: 34°C c.c. Lower explosive limit: 1.7%. Miscible with water. Toxic if swallowed, by skin contact or by inhalation.	2310
–	T4	TP1	F-A, S-A	Category A	–	Colourless to yellowish liquids. Immiscible with water. Toxic if swallowed, by skin contact or by inhalation.	2311
–	T7	TP3	F-A, S-A	Category B SW2	–	Molten liquid with a distinctive strong odour. Melting point: 10°C to 43°C (pure product). Toxic if swallowed, by skin contact or by inhalation. Rapidly absorbed through the skin.	2312
–	T4	TP1	F-E, S-D	Category A SW2	–	Colourless to yellow liquids with a pungent or sweet odour. Explosive limits: 1.3% to 8.7%. Miscible with water. Harmful by inhalation. <i>alpha</i> -Picoline flashpoint: 28°C c.c. <i>beta</i> -Picoline flashpoint: 40°C c.c. <i>gamma</i> -Picoline flashpoint 40°C c.c. Irritating to skin, eyes and mucous membranes.	2313
–	T4	TP1	F-A, <u>S-A</u>	Category A	SG50	Colourless liquid (pure product) with perceptible odours. Immiscible with water. Harmful by ingestion or by skin contact. If spilled, can be a persistent hazard to the environment. This entry also covers articles, such as transformers and condensers, containing free liquid polychlorinated biphenyls.	2315
–	T6	TP33	F-A, <u>S-A</u>	Category A	SGG6 SG35	White powder. Soluble in water. Reacts with acids or acid fumes, evolving hydrogen cyanide, a highly toxic and flammable gas. Highly toxic if swallowed, by skin contact or by dust inhalation.	2316
–	T14	TP2 TP13	F-A, <u>S-A</u>	Category B SW2	SGG6 SG35	Colourless liquid. Miscible with water. Decomposed by acids, evolving hydrogen cyanide, a highly toxic and flammable gas. Highly toxic if swallowed, by skin contact or by inhalation.	2317
–	T3	TP33	F-A, S-J	Category A	SGG18 SG35	Colourless needles to lemon-coloured flakes. Soluble in water. Reacts violently with acids.	2318
–	T4	TP1 TP29	F-E, S-D	Category A	–	Colourless or yellowish liquids. Flashpoint: 32°C to 49°C c.c. Immiscible with water.	2319
–	T4	TP1	F-A, S-B	Category A	SGG18 SG35	Viscous liquid. Miscible with water. When involved in a fire, evolves toxic gases. Causes burns to skin, eyes and mucous membranes. Reacts violently with acids.	2320
–	T4	TP1	F-A, <u>S-A</u>	Category A	SGG10	Colourless liquids. Immiscible with water. Toxic if swallowed, by skin contact or by inhalation.	2321
–	T7	TP2	F-A, <u>S-A</u>	Category A SW1 SW2	SGG10	Colourless liquid. Immiscible with water. When heated, develops toxic and irritant gases such as phosgene and hydrogen chloride and may also explode. Toxic if swallowed, by skin contact or by inhalation.	2322
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid. Flashpoint: 44°C c.c. Immiscible with water. Irritating to skin, eyes and mucous membranes.	2323
–	T4	TP1	F-E, S-D	Category A	–	Colourless liquid. Immiscible with water.	2324

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2325	1,3,5-TRIMETHYLBENZENE	3	– P	III	–	5 L	E1	P001 LP01	–	IBC03	–
2326	TRIMETHYLCYCLOHEXYL-AMINE	8	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2327	TRIMETHYLHEXAMETHYLENE-DIAMINES	8	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2328	TRIMETHYLHEXAMETHYLENE DIISOCYANATE	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2329	TRIMETHYL PHOSPHITE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2330	UNDECANE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2331	ZINC CHLORIDE, ANHYDROUS	8	– P	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2332	ACETALDEHYDE OXIME	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2333	ALLYL ACETATE	3	6.1	II	–	1 L	E2	P001	–	IBC02	–
△ 2334	ALLYLAMINE	6.1	3	I	354	0	E0	P602	–	–	–
2335	ALLYL ETHYL ETHER	3	6.1	II	–	1 L	E2	P001	–	IBC02	–
2336	ALLYL FORMATE	3	6.1	I	–	0	E0	P001	–	–	–
△ 2337	PHENYL MERCAPTAN	6.1	3	I	354	0	E0	P602	–	–	–
2338	BENZOTRIFLUORIDE	3	–	II	–	1 L	E2	P001	–	IBC02	–
2339	2-BROMOBUTANE	3	–	II	–	1 L	E2	P001	–	IBC02	–
2340	2-BROMOETHYL ETHYL ETHER	3	–	II	–	1 L	E2	P001	–	IBC02	–
2341	1-BROMO-3-METHYLBUTANE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2342	BROMOMETHYLPROPANES	3	–	II	–	1 L	E2	P001	–	IBC02	–
2343	2-BROMOPENTANE	3	–	II	–	1 L	E2	P001	–	IBC02	–

Portable tanks and bulk containers			EmS
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UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2344	BROMOPROPANES	3	–	II	–	1 L	E2	P001	–	IBC02	–
2344	BROMOPROPANES	3	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
2345	3-BROMOPROPYNE	3	–	II	905	1 L	E2	P001	–	IBC02	–
2346	BUTANEDIONE	3	–	II	–	1 L	E2	P001	–	IBC02	–
2347	BUTYL MERCAPTAN	3	–	II	–	1 L	E2	P001	–	IBC02	–
2348	BUTYL ACRYLATES, STABILIZED	3	–	III	386	5 L	E1	P001 LP01	–	IBC03	–
2350	BUTYL METHYL ETHER	3	–	II	–	1 L	E2	P001	–	IBC02	–
2351	BUTYL NITRITES	3	–	II	–	1 L	E2	P001	–	IBC02	–
2351	BUTYL NITRITES	3	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
2352	BUTYL VINYL ETHER, STABILIZED	3	–	II	386	1 L	E2	P001	–	IBC02	–
2353	BUTYRYL CHLORIDE	3	8	II	–	1 L	E2	P001	–	IBC02	B20
2354	CHLOROMETHYL ETHYL ETHER	3	6.1	II	–	1 L	E2	P001	–	IBC02	–
2356	2-CHLOROPROPANE	3	–	I	–	0	E3	P001	–	–	–
2357	CYCLOHEXYLAMINE	8	3	II	–	1 L	E2	P001	–	IBC02	–
2358	CYCLOOCTATETRAENE	3	–	II	–	1 L	E2	P001	–	IBC02	–
2359	DIALLYLAMINE	3	6.1/8	II	–	1 L	E2	P001	–	IBC99	–
2360	DIALLYL ETHER	3	6.1	II	–	1 L	E2	P001	–	IBC02	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T4	TP1	F-E, S-D	Category B SW2	SGG10	Colourless liquids. Immiscible with water. When involved in a fire, evolve toxic fumes. Harmful by inhalation.	2344
–	T2	TP1	F-E, S-D	Category A	SGG10	See entry above.	2344
–	T4	TP1	F-E, S-D	Category D SW2	–	Colourless to light amber liquid with a sharp odour. Flashpoint: 10°C c.c. Lower explosive limit: 3%. Vapour much heavier than air (4.1). The pure product is shock-sensitive and decomposes with explosive violence, and the possibility of detonation, when heated under confinement. Can be ignited by impact. Immiscible with water. Harmful by inhalation. Irritating to skin, eyes and mucous membranes. Causes tears.	2345
–	T4	TP1	F-E, S-D	Category B	–	Greenish-yellow liquid with a strong odour. Flashpoint: 6°C c.c. Miscible with water.	2346
–	T4	TP1	F-E, S-D	Category B	SG35 SG50 SG57	Colourless liquids with a foul odour. <i>tertiary</i> -BUTYL MERCAPTAN: flashpoint –26°C c.c. <i>secondary</i> -BUTYL MERCAPTAN: flashpoint –23°C c.c. 1-BUTANETHIOL (<i>normal</i> -BUTYL MERCAPTAN): flashpoint 12°C c.c. ISOBUTYL MERCAPTAN: flashpoint –9°C c.c. Immiscible with water. On contact with acids, emit highly toxic fumes.	2347
–	T2	TP1	F-E, S-D	Category C SW1	–	Colourless liquid with an unpleasant odour. Flashpoint: 36°C to 41°C c.c. Explosive limits: 1.2% to 9.9%. Immiscible with water. Harmful by inhalation. Irritating to skin, eyes and mucous membranes.	2348
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid. Immiscible with water.	2350
–	T4	TP1	F-E, S-D	Category B SW2	–	Yellowish, volatile, oily liquids. Partially miscible with water. Decompose on exposure to air, light, water or heat, evolving toxic nitrous fumes. Harmful by inhalation.	2351
–	T2	TP1	F-E, S-D	Category A SW2	–	See entry above.	2351
–	T4	TP1	F-E, S-D	Category C SW1 SW2	–	Colourless, volatile liquid with a sharp ethereal odour. Flashpoint: –9°C c.c. Immiscible with water. Harmful by inhalation. Irritating to skin, eyes and mucous membranes.	2352
–	T8	TP2 TP13	F-E, S-C	Category C SW2	SGG1 SG36 SG49	Colourless liquid with a pungent odour. Reacts with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. In the presence of moisture, highly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	2353
–	T7	TP1 TP13	F-E, S-D	Category E SW2	–	Colourless liquid with a pungent odour. Partially miscible with water. Fumes in air, evolving hydrogen chloride, which is an irritating and corrosive gas. Toxic by inhalation. Strong lachrymator.	2354
–	T11	TP2 TP13	F-E, S-D	Category E	SGG10	Colourless liquid. Flashpoint: –32°C c.c. Explosive limits: 2.8% to 10.7%. Boiling point: 35°C. Immiscible with water. On contact with heat or flame, emits highly toxic phosgene gas. Can react vigorously with oxidizing materials.	2356
–	T7	TP2	F-E, S-C	Category A SW2	SG35	Colourless or yellowish flammable liquid with a fishy odour. Flashpoint: 27°C c.c. Explosive limits: 0.5% to 21.7%. Miscible with water. Harmful by inhalation. Causes burns to skin and eyes. Irritating to mucous membranes.	2357
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid. Freezing point: –4°C. Immiscible with water.	2358
–	T7	TP1	F-E, S-C	Category B SW2	SG5 SG8 SG35	Colourless, volatile liquid with a disagreeable odour. Flashpoint: 7°C c.c. Partially miscible with water. Toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	2359
–	T7	TP1 TP13	F-E, S-D	Category E	–	Colourless, volatile liquid with a perceptible odour. Flashpoint: –11°C c.c. Immiscible with water. Toxic if swallowed, by skin contact or by inhalation.	2360

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2361	DIISOBUTYLAMINE	3	8	III	–	5 L	E1	P001	–	IBC03	–
2362	1,1-DICHLOROETHANE	3	–	II	–	1 L	E2	P001	–	IBC02	–
2363	ETHYL MERCAPTAN	3	– P	I	–	0	E0	P001	–	–	–
2364	n-PROPYLBENZENE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2366	DIETHYL CARBONATE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2367	alpha-METHYL-VALERALDEHYDE	3	–	II	–	1 L	E2	P001	–	IBC02	–
2368	alpha-PINENE	3	– P	III	–	5 L	E1	P001 LP01	–	IBC03	–
2370	1-HEXENE	3	–	II	–	1 L	E2	P001	–	IBC02	–
2371	ISOPENTENES	3	–	I	–	0	E3	P001	–	–	–
2372	1,2-DI-(DIMETHYLAMINO) ETHANE	3	–	II	–	1 L	E2	P001	–	IBC02	–
2373	DIETHOXYMETHANE	3	–	II	–	1 L	E2	P001	–	IBC02	–
2374	3,3-DIETHOXYPROPENE	3	–	II	–	1 L	E2	P001	–	IBC02	–
2375	DIETHYL SULPHIDE	3	–	II	–	1 L	E2	P001	–	IBC02	–
2376	2,3-DIHYDROPYRAN	3	–	II	–	1 L	E2	P001	–	IBC02	–
2377	1,1-DIMETHOXYETHANE	3	–	II	–	1 L	E2	P001	–	IBC02	–
2378	2-DIMETHYLAMINO-ACETONITRILE	3	6.1	II	–	1 L	E2	P001	–	IBC02	–
2379	1,3-DIMETHYLBUTYLAMINE	3	8	II	–	1 L	E2	P001	–	IBC02	–
2380	DIMETHYLDIETHOXSILANE	3	–	II	–	1 L	E2	P001	–	IBC02	–
△ 2381	DIMETHYL DISULPHIDE	3	6.1 P	II	–	1 L	E0	P001	–	IBC02	–
△ 2382	DIMETHYLHYDRAZINE, SYMMETRICAL	6.1	3 P	I	354	0	E0	P602	–	–	–
△ 2383	DIPROPYLAMINE	3	8	II	–	1 L	E2	P001	–	IBC02	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T4	TP1	F-E, S-C	Category A	SG35	Colourless liquid with a fishy odour. Flashpoint: 29°C c.c. Immiscible with water. Harmful by inhalation. Causes burns to skin and eyes. Irritating to mucous membranes.	2361
–	T4	TP1	F-E, S-D	Category B SW2	SGG10	Colourless liquid with an aromatic, ethereal odour. Flashpoint: –10°C c.c. Lower explosive limit: 5.6%. Immiscible with water. When involved in a fire, emits toxic fumes of phosgene. Harmful by inhalation.	2362
–	T11	TP2 TP13	F-E, S-D	Category E	SG50 SG57	Volatile liquid with a strong unpleasant odour. Flashpoint: –45°C c.c. Explosive limits: 2.8% to 18.2%. Boiling point: 35°C. Immiscible with water.	2363
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid. Flashpoint: 39°C c.c. Explosive limits: 0.8% to 6%. Immiscible with water.	2364
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid. Flashpoint: 25°C to 31°C c.c. Vapour much heavier than air (4.1). Immiscible with water. Irritating to skin, eyes and mucous membranes.	2366
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid. Flashpoint: 13°C c.c. Immiscible with water. Irritating to skin, eyes and mucous membranes.	2367
–	T2	TP2	F-E, S-E	Category A	–	Colourless liquid with an odour of turpentine. Flashpoint: 33°C c.c. Explosive limits: 0.8% to 6%. Immiscible with water. Harmful by inhalation. Irritating to skin, eyes and mucous membranes.	2368
–	T4	TP1	F-E, S-D	Category E	–	Colourless liquid. Explosive limits: 1.2% to 6.9%. Immiscible with water.	2370
–	T11	TP2	F-E, S-D	Category E	–	Colourless, volatile liquid with a disagreeable odour. Flashpoint: below –18°C c.c. Immiscible with water. Irritating to skin, eyes and mucous membranes.	2371
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid. Flashpoint: 21°C c.c. Miscible with water. Irritability to skin, eyes and mucous membranes.	2372
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid. Flashpoint: below –5°C c.c. Miscible with water.	2373
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid. Flashpoint: 15°C c.c. Partially miscible with water. Harmful by inhalation.	2374
–	T7	TP1 TP13	F-E, S-D	Category E	–	Colourless, volatile liquid with an odour of garlic. Flashpoint: –10°C c.c. Immiscible with water.	2375
–	T4	TP1	F-E, S-D	Category B	–	Colourless, volatile liquid with an ethereal odour. Flashpoint: –16°C c.c. Miscible with water.	2376
–	T7	TP1	F-E, S-D	Category B	–	Colourless liquid with a strong aromatic odour. Miscible with water.	2377
–	T7	TP1	F-E, S-D	Category A SW2	SG35	Colourless liquid. Flashpoint: 35°C c.c. Immiscible with water. On contact with water and acids, evolves toxic fumes. Toxic if swallowed, by skin contact or by inhalation.	2378
–	T7	TP1	F-E, S-C	Category B	SGG18 SG35	Colourless liquid with an ammonia-like odour. Flashpoint: 9°C to 13°C c.c. Immiscible with water. Reacts violently with acids. Harmful by inhalation. Causes burns to skin and eyes. Irritating to mucous membranes.	2379
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid. Flashpoint: 13°C c.c. Miscible with water. Irritating to skin, eyes and mucous membranes.	2380
–	T7	TP2 TP13	F-E, S-D	Category B SW2	–	Yellow liquid with an unpleasant odour. Flashpoint: 15°C c.c. Immiscible with water. When involved in a fire, evolves toxic gases. Toxic if swallowed, by skin contact or by inhalation.	2381
–	T20	TP2 TP13	F-E, S-D	Category D SW2	SGG18 SG17 SG35	Colourless, flammable, volatile liquid with an ammonia-like odour. Miscible with water. Reacts violently with acids. May react dangerously with oxidizing substances. Flashpoint: –17°C c.c. Highly toxic if swallowed, by skin contact or by inhalation.	2382
–	T7	TP1	F-E, S-C	Category B SW1	SG35	Colourless liquid with a fishy odour. Flashpoint: 7°C c.c. Immiscible with water. Harmful by inhalation. Causes burns to skin, eyes and mucous membranes.	2383

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2384	DI- <i>n</i> -PROPYL ETHER	3	–	II	–	1 L	E2	P001	–	IBC02	–
2385	ETHYL ISOBUTYRATE	3	–	II	–	1 L	E2	P001	–	IBC02	–
2386	1-ETHYLPYPERIDINE	3	8	II	–	1 L	E2	P001	–	IBC02	–
2387	FLUOROBENZENE	3	–	II	–	1 L	E2	P001	–	IBC02	–
2388	FLUOROTOLUENES	3	–	II	–	1 L	E2	P001	–	IBC02	–
2389	FURAN	3	–	I	–	0	E3	P001	–	–	–
2390	2-IODOBUTANE	3	–	II	–	1 L	E2	P001	–	IBC02	–
2391	IODOMETHYLPROPANES	3	–	II	–	1 L	E2	P001	–	IBC02	–
2392	IODOPROPANES	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2393	ISOBUTYL FORMATE	3	–	II	–	1 L	E2	P001	–	IBC02	–
2394	ISOBUTYL PROPIONATE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2395	ISOBUTYRYL CHLORIDE	3	8	II	–	1 L	E2	P001	–	IBC02	–
2396	METHACRYLALDEHYDE, STABILIZED	3	6.1	II	386	1 L	E2	P001	–	IBC02	–
2397	3-METHYLBUTAN-2-ONE	3	–	II	–	1 L	E2	P001	–	IBC02	–
2398	METHYL <i>tert</i> -BUTYL ETHER	3	–	II	–	1 L	E2	P001	–	IBC02	–
2399	1-METHYLPYPERIDINE	3	8	II	–	1 L	E2	P001	–	IBC02	–
2400	METHYL ISOVALERATE	3	–	II	–	1 L	E2	P001	–	IBC02	–
2401	PIPERIDINE	8	3	I	–	0	E0	P001	–	–	–
2402	PROPANETHIOLS	3	–	II	–	1 L	E2	P001	–	IBC02	–
2403	ISOPROPENYL ACETATE	3	–	II	–	1 L	E2	P001	–	IBC02	–
2404	PROPIONITRILE	3	6.1	II	–	1 L	E0	P001	–	IBC02	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid. Flashpoint (pure product): –21°C c.c. Lower explosive limit: 1.7%. Immiscible with water.	2384
–	T4	TP1	F-E, S-D	Category B	–	Colourless, volatile liquid with an aromatic odour. Flashpoint: 21°C c.c. Immiscible with water.	2385
–	T7	TP1	F-E, S-C	Category B	SGG18 SG35	Colourless liquid. Flashpoint: 19°C c.c. Immiscible with water. Reacts violently with acids. Harmful by inhalation. Causes burns to skin, eyes and mucous membranes. May cause lung damage.	2386
–	T4	TP1	F-E, S-D	Category B	SGG10	Colourless liquid with a benzene odour. Flashpoint: –15°C c.c. Immiscible with water. Harmful by inhalation.	2387
–	T4	TP1	F-E, S-D	Category B	SGG10	Colourless liquids. <i>ortho</i> -FLUOROTOLUENE: flashpoint 9°C c.c. <i>meta</i> -FLUOROTOLUENE: flashpoint 12°C c.c. <i>para</i> -FLUOROTOLUENE: flashpoint 10°C c.c. Immiscible with water.	2388
–	T12	TP2 TP13	F-E, S-D	Category E SW2	–	Colourless liquid with a strong odour. Flashpoint: below –18°C c.c. Explosive limits: 1.3% to 14.3%. Boiling point: 31°C. Immiscible with water. Harmful if swallowed, by skin contact or by inhalation.	2389
–	T4	TP1	F-E, S-D	Category B	SGG10	Colourless liquid. Flashpoint: 21°C c.c. Immiscible with water.	2390
–	T4	TP1	F-E, S-D	Category B	SGG10	Colourless liquids. Immiscible with water.	2391
–	T2	TP1	F-E, S-D	Category A	SGG10	Colourless liquids. 1-IODOPROPANE: flashpoint 34°C c.c. 2-IODOPROPANE: flashpoint approx. 25°C c.c. Immiscible with water.	2392
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid. Flashpoint: 5°C c.c. Explosive limits: 1.7% to 8%. Irritating to skin, eyes and mucous membranes.	2393
–	T2	TP1	F-E, S-D	Category B	–	Colourless liquid. Flashpoint: 31°C c.c. Immiscible with water.	2394
–	T7	TP2	F-E, S-C	Category C SW2	SGG1 SG36 SG49	Colourless liquid with a pungent odour. Reacts with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. In the presence of moisture, highly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	2395
–	T7	TP1 TP13	F-E, S-D	Category D SW1 SW2	–	Colourless liquid. Flashpoint: 2°C c.c. Miscible with water. Toxic by inhalation. Irritating to skin, eyes and mucous membranes.	2396
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid. Flashpoint: –3°C c.c. Explosive limits: 1.5% to 8%. Immiscible with water.	2397
–	T7	TP1	F-E, S-D	Category E	–	Colourless liquid. Flashpoint: below –18°C c.c. Explosive limits: 1.7% to 8.4%. Boiling point: 55°C. Immiscible with water.	2398
–	T7	TP1	F-E, S-C	Category B	SGG18 SG35	Colourless liquid. Flashpoint: 3°C c.c. Miscible with water. Reacts violently with acids. Harmful by inhalation. Causes burns to skin, eyes and mucous membranes.	2399
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid. Immiscible with water.	2400
–	T10	TP2	F-E, S-C	Category D	SGG18 SG35	Colourless liquid with a fish-like odour. Miscible with water. Reacts violently with acids. Solution in water is a strong alkali and is corrosive. When involved in fire, evolves toxic nitrous fumes.	2401
–	T4	TP1 TP13	F-E, S-D	Category E	SG50 SG57	Colourless or yellowish liquids with a strong unpleasant odour. Flashpoint: below –18°C c.c. Boiling range: 53°C to 67°C. Immiscible with water.	2402
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid. Flashpoint: 10°C c.c. Immiscible with water.	2403
–	T7	TP1 TP13	F-E, S-D	Category E SW2	–	Colourless, volatile liquid with an ether-like odour. Flashpoint: 2°C c.c. Lower explosive limit: 3.1%. Miscible with water. When involved in a fire, evolves highly toxic cyanide fumes. Toxic if swallowed, by skin contact or by inhalation.	2404

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						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2405	ISOPROPYL BUTYRATE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2406	ISOPROPYL ISOBUTYRATE	3	–	II	–	1 L	E2	P001	–	IBC02	–
2407	ISOPROPYL CHLOROFORMATE	6.1	3/8	I	354	0	E0	P602	–	–	–
2409	ISOPROPYL PROPIONATE	3	–	II	–	1 L	E2	P001	–	IBC02	–
2410	1,2,3,6-TETRAHYDROPYRIDINE	3	–	II	–	1 L	E2	P001	–	IBC02	–
2411	BUTYRONITRILE	3	6.1	II	–	1 L	E2	P001	–	IBC02	–
2412	TETRAHYDROTHIOPHENE	3	–	II	–	1 L	E2	P001	–	IBC02	–
2413	TETRAPROPYL ORTHOTITANATE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2414	THIOPHENE	3	–	II	–	1 L	E2	P001	–	IBC02	–
2416	TRIMETHYL BORATE	3	–	II	–	1 L	E2	P001	–	IBC02	–
2417	CARBONYL FLUORIDE	2.3	8	–	–	0	E0	P200	–	–	–
2418	SULPHUR TETRAFLUORIDE	2.3	8	–	–	0	E0	P200	–	–	–
2419	BROMOTRIFLUOROETHYLENE	2.1	–	–	–	0	E0	P200	–	–	–
2420	HEXAFLUOROACETONE	2.3	8	–	–	0	E0	P200	–	–	–
2421	NITROGEN TRIOXIDE	2.3	5.1/8	–	–	0	E0	P200	–	–	–
2422	OCTAFLUOROBUT-2-ENE (REFRIGERANT GAS R 1318)	2.2	–	–	–	120 mL	E1	P200	–	–	–
2424	OCTAFLUOROPROPANE (REFRIGERANT GAS R 218)	2.2	–	–	–	120 mL	E1	P200	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
	Tank instructions	Provisions					
(12)	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid. Flashpoint: 25°C c.c. Immiscible with water. Irritating to skin, eyes and mucous membranes.	2405
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid. Flashpoint: 20°C c.c. Immiscible with water. Narcotic. Irritating to skin, eyes and mucous membranes.	2406
–	–	–	F-E, S-C	Category D SW2	SGG1 SG5 SG8 SG36 SG49	Colourless flammable liquid. Flashpoint: 16°C c.c. Decomposed by water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. In the presence of moisture, corrosive to most metals. Highly toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	2407
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid. Flashpoint: 21°C c.c. Immiscible with water.	2409
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid. Flashpoint: 16°C c.c. Miscible with water. Harmful by inhalation.	2410
–	T7	TP1 TP13	F-E, S-D	Category E SW2	–	Colourless liquid. Flashpoint: 21°C c.c. Lower explosive limit: 1.6%. Immiscible with water. Toxic if swallowed, by skin contact or by inhalation.	2411
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid with a pleasant odour. Flashpoint: 13°C c.c. Immiscible with water.	2412
–	T4	TP1	F-E, S-D	Category A	–	Colourless liquid. Flashpoint: 38°C c.c.	2413
–	T4	TP1	F-E, S-D	Category B SW2	–	Colourless liquid with an unpleasant odour. Flashpoint: –9°C c.c. Explosive limits: 1.5% to 12.5%. Immiscible with water. Irritating to skin, eyes and mucous membranes.	2414
–	T7	TP1	F-E, S-D	Category B	–	Colourless liquid. Reacts with water, evolving flammable vapours.	2416
–	–	–	F-C, S-U	Category D SW2	–	Non-flammable, toxic and corrosive colourless gas with a pungent odour. Corrosive to glass and to most metals. Corrosive in the presence of water. Much heavier than air (2.3). Highly irritating to skin, eyes and mucous membranes.	2417
–	–	–	F-C, S-U	Category D SW2	SG35	Non-flammable, toxic and corrosive, colourless gas with a pungent odour. Reacts with water, moist air or acids to produce toxic and corrosive fumes. Corrosive to glass and to most metals. Much heavier than air (3.7). Highly irritating to skin, eyes and mucous membranes.	2418
–	–	–	F-D, S-U	Category B SW2	–	Liquefied, flammable, colourless gas. Much heavier than air (5.6). Boiling point: –3°C.	2419
–	–	–	F-C, S-U	Category D SW2	–	Non-flammable, toxic and corrosive, colourless, hygroscopic gas with an unpleasant odour. Reacts vigorously with water, evolving heat. Corrosive to glass and to most metals. Fumes in moist air. Much heavier than air (5.7). Highly irritating to skin, eyes and mucous membranes.	2420
–	–	–	F-C, S-W	Category D SW2	SG6 SG19	Liquefied, non-flammable, toxic and corrosive gas. At lower temperatures, present as a blue liquid. Strong oxidizing agent. Much heavier than air (2.6). Boiling point: 3.5°C. Highly irritating to skin, eyes and mucous membranes.	2421
–	–	–	F-C, S-V	Category A	–	Liquefied, non-flammable, colourless gas. Much heavier than air (6.9). Boiling point: 1.2°C.	2422
–	T50	–	F-C, S-V	Category A	–	Liquefied, non-flammable, colourless gas. Much heavier than air (6.6). Boiling point: –36°C.	2424

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2426	AMMONIUM NITRATE, LIQUID (hot concentrated solution)	5.1	–	–	252 942	0	E0	–	–	–	–
2427	POTASSIUM CHLORATE, AQUEOUS SOLUTION	5.1	–	II	–	1 L	E2	P504	–	IBC02	–
2427	POTASSIUM CHLORATE, AQUEOUS SOLUTION	5.1	–	III	223	5 L	E1	P504	–	IBC02	–
2428	SODIUM CHLORATE, AQUEOUS SOLUTION	5.1	–	II	–	1 L	E2	P504	–	IBC02	–
2428	SODIUM CHLORATE, AQUEOUS SOLUTION	5.1	–	III	223	5 L	E1	P504	–	IBC02	–
2429	CALCIUM CHLORATE, AQUEOUS SOLUTION	5.1	–	II	–	1 L	E2	P504	–	IBC02	–
2429	CALCIUM CHLORATE, AQUEOUS SOLUTION	5.1	–	III	223	5 L	E1	P504	–	IBC02	–
2430	ALKYLPHENOLS, SOLID, N.O.S. (including C ₂ –C ₁₂ homologues)	8	–	I	–	0	E0	P002	–	IBC07	B1
2430	ALKYLPHENOLS, SOLID, N.O.S. (including C ₂ –C ₁₂ homologues)	8	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
2430	ALKYLPHENOLS, SOLID, N.O.S. (including C ₂ –C ₁₂ homologues)	8	–	III	223	5 kg	E1	P002 LP02	–	IBC08	B3
2431	ANISIDINES	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T7	TP1 TP16 TP17	F-H, S-Q	Category D	SGG2 SG42 SG45 SG47 SG48 SG51 SG56 SG58 SG59 SG61	Hot aqueous solution of not more than 93% ammonium nitrate with not more than 0.2% combustible material (including organic material calculated as carbon) and free from any other added matter, containing at least 7% water, while the maximum content of chloride ions should not exceed 0.02%. May cause fire and explosion in contact with combustible material (e.g. wood, straw, cotton, oil, sugar, etc.), strong acids, and other class 5.1 substances and burn fiercely. Maximum allowable transport temperature of the solution 140°C. This temperature should be indicated on the transport unit. The acidity (pH) of the cargo when diluted with ten parts of water to one part of cargo, by mass, should be between 5.0 and 7.0. The concentration and temperature of the solution at the time of loading, its percentage of combustible materials and of chlorides, and the contents of free acid should be certified.	2426
–	T4	TP1	F-H, S-Q	Category B	SGG4 SG38 SG49 SG62	Colourless liquid. When involved in a fire, may cause an explosion. Leakage and subsequent evaporation of the water may present increased dangers as follows: .1 in contact with combustible material (particularly with fibrous material such as jute, cotton or sisal) or sulphur, danger of spontaneous combustion; .2 in contact with ammonium compounds, powdered metals or oils, danger of explosion.	2427
–	T4	TP1	F-H, S-Q	Category B	SGG4 SG38 SG49 SG62	See entry above.	2427
–	T4	TP1	F-H, S-Q	Category B	SGG4 SG38 SG49 SG62	Colourless liquid. When involved in a fire, may cause an explosion. Leakage and subsequent evaporation of the water may present increased dangers as follows: .1 in contact with combustible material (particularly with fibrous material such as jute, cotton or sisal) or sulphur, danger of spontaneous combustion; .2 in contact with ammonium compounds, powdered metals or oils, danger of explosion.	2428
–	T4	TP1	F-H, S-Q	Category B	SGG4 SG38 SG49 SG62	See entry above.	2428
–	T4	TP1	F-H, S-Q	Category B	SGG4 SG38 SG49 SG62	Colourless liquid. When involved in a fire, may cause an explosion. Leakage and subsequent evaporation of the water may present increased dangers as follows: .1 in contact with combustible material (particularly with fibrous material such as jute, cotton or sisal) or sulphur, danger of spontaneous combustion; .2 in contact with ammonium compounds, powdered metals or oils, danger of explosion.	2429
–	T4	TP1	F-H, S-Q	Category B	SGG4 SG38 SG49 SG62	See entry above.	2429
–	T6	TP33	F-A, S-B	Category B	–	A wide range of colourless to pale straw-coloured solids with penetrating odours (sometimes camphor-like). Some have low melting points. Insoluble in water. Cause burns to skin, eyes and mucous membranes.	2430
–	T3	TP33	F-A, S-B	Category B	–	See entry above.	2430
–	T1	TP33	F-A, S-B	Category A	–	See entry above.	2430
–	T4	TP1	F-A, S-A	Category A	–	Reddish or yellowish oily liquid. Immiscible with water. Toxic if swallowed, by skin contact or by inhalation.	2431

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2432	N,N-DIETHYLANILINE	6.1	–	III	279	5 L	E1	P001 LP01	–	IBC03	–
2433	CHLORONITROTOLUENES, LIQUID	6.1	– P	III	–	5 L	E1	P001 LP01	–	IBC03	–
2434	DIBENZYLDICHLOROSILANE	8	–	II	–	0	E0	P010	–	–	–
2435	ETHYLPHENYL-DICHLOROSILANE	8	–	II	–	0	E0	P010	–	–	–
2436	THIOACETIC ACID	3	–	II	–	1 L	E2	P001	–	IBC02	–
2437	METHYLPHENYL-DICHLOROSILANE	8	–	II	–	0	E0	P010	–	–	–
2438	TRIMETHYLACETYL CHLORIDE	6.1	3/8	I	–	0	E0	P001	–	–	–
2439	SODIUM HYDROGENDIFLUORIDE	8	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
2440	STANNIC CHLORIDE PENTAHYDRATE	8	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2441	TITANIUM TRICHLORIDE, PYROPHORIC or TITANIUM TRICHLORIDE MIXTURE, PYROPHORIC	4.2	8	I	–	0	E0	P404	PP31	–	–
2442	TRICHLOROACETYL CHLORIDE	8	–	II	–	0	E0	P001	–	–	–
2443	VANADIUM OXYTRICHLORIDE	8	–	II	–	1 L	E0	P001	–	IBC02	–
2444	VANADIUM TETRACHLORIDE	8	–	I	–	0	E0	P802	–	–	–
2446	NITROCRESOLS, SOLID	6.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T4	TP1	F-A, S-A	Category A	–	Colourless to yellow-brown oily liquid. Combustible. Toxic if swallowed, by skin contact or by inhalation.	2432
–	T4	TP1	F-A, <u>S-A</u>	Category A	SG6 SG8 SG10 SG12	Immiscible with water. Oxidizing substance which may explode or burn fiercely when in contact with organic materials. Toxic if swallowed, by skin contact or by inhalation.	2433
–	T10	TP2 TP7 TP13	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Colourless liquid with a pungent odour. Reacts violently with water, evolving hydrogen chloride, a corrosive gas apparent as white fumes. When involved in a fire, evolves toxic gases. In the presence of moisture, highly corrosive to most metals. Vapour irritating to skin, eyes and mucous membranes.	2434
–	T10	TP2 TP7 TP13	F-A, S-B	Category C	SGG1 SG36 SG49	Colourless liquid with a pungent odour. Reacts with water, evolving hydrogen chloride, a corrosive gas apparent as white fumes. When involved in a fire, evolves toxic gases. In the presence of moisture, highly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	2435
–	T4	TP1	F-E, S-D	Category B	–	Colourless or yellow liquid with a pungent odour. Miscible with water. Harmful by inhalation.	2436
–	T10	TP2 TP7 TP13	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Colourless liquid. Reacts with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. When involved in a fire, evolves toxic gases. In the presence of moisture, highly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	2437
–	T14	TP2 TP13	F-E, S-C	Category D SW1 SW2	SGG1 SG5 SG8 SG36 SG49	Flammable liquid. Flashpoint: 19°C c.c. Boiling point: 108°C. Reacts with water, evolving hydrogen chloride, a corrosive gas apparent as white fumes. In the presence of moisture, corrosive to most metals. Highly toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	2438
–	T3	TP33	F-A, S-B	Category A SW1 SW2 H2	SGG1 SG35 SG36 SG49	White, crystalline powder. Soluble in water. Decomposed by heat or acids, evolving hydrogen fluoride, a toxic extremely irritating and corrosive gas. In the presence of moisture, highly corrosive to glass, other siliceous materials and most metals. Causes burns to skin, eyes and mucous membranes.	2439
–	T1	TP33	F-A, S-B	Category A	SGG1 SG36 SG49	White, deliquescent solid. Melting point: about 60°C. Soluble in water. In the presence of water, corrosive to most metals. Irritating to skin, eyes and mucous membranes.	2440
–	–	–	F-G, S-M	Category D SW2 H1	SGG7 SG26	Finely divided, violet, crystalline solid. May ignite on exposure to air or moisture. In the presence of moisture, corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	2441
–	T7	TP2	F-A, S-B	Category D SW2	SGG1 SG36 SG49	Liquid with a pungent odour, which fumes in moist air. Reacts violently with water, evolving hydrogen chloride, a corrosive gas apparent as white fumes. When involved in a fire, evolves toxic gases. In the presence of moisture, corrosive to most metals. Liquid and vapours cause burns to skin, eyes and mucous membranes.	2442
–	T7	TP2	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Yellow liquid. Decomposition occurs on exposure to moist air, forming red fumes of vanadic acid and hydrogen chloride, a corrosive gas apparent as white fumes. Reacts with, or dissolves, many organic compounds. In the presence of moisture, corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	2443
–	T10	TP2	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Reddish-brown liquid. Decomposes under the influence of light, evolving chlorine, a highly toxic and irritating gas. Reacts violently with water, evolving hydrogen chloride, a corrosive gas apparent as white fumes. In the presence of moisture, corrosive to most metals. Liquid and vapours cause burns to skin, eyes and mucous membranes.	2444
–	T1	TP33	F-A, S-A	Category A	–	Yellow crystals. Melting point: 32°C or above. Slightly soluble in water. Toxic if swallowed, by skin contact or by inhalation.	2446

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2447	PHOSPHORUS, WHITE, MOLTEN	4.2	6.1 P	I	–	0	E0	–	–	–	–
2448	SULPHUR, MOLTEN	4.1	–	III	–	0	E0	–	–	IBC01	–
2451	NITROGEN TRIFLUORIDE	2.2	5.1	–	–	0	E0	P200	–	–	–
2452	ETHYLACETYLENE, STABILIZED	2.1	–	–	386	0	E0	P200	–	–	–
2453	ETHYL FLUORIDE (REFRIGERANT GAS R 161)	2.1	–	–	–	0	E0	P200	–	–	–
2454	METHYL FLUORIDE (REFRIGERANT GAS R 41)	2.1	–	–	–	0	E0	P200	–	–	–
2455	METHYL NITRITE	2.2	–	–	900	–	–	–	–	–	–
2456	2-CHLOROPROPENE	3	–	I	–	0	E3	P001	–	–	–
2457	2,3-DIMETHYLBUTANE	3	–	II	–	1 L	E2	P001	–	IBC02	–
2458	HEXADIENES	3	–	II	–	1 L	E2	P001	–	IBC02	–
2459	2-METHYL-1-BUTENE	3	–	I	–	0	E3	P001	–	–	–
2460	2-METHYL-2-BUTENE	3	–	II	–	1 L	E2	P001	–	IBC02	B8
2461	METHYLPENTADIENES	3	–	II	–	1 L	E2	P001	–	IBC02	–
2463	ALUMINIUM HYDRIDE	4.3	–	I	–	0	E0	P403	PP31	–	–
2464	BERYLLIUM NITRATE	5.1	6.1	II	–	1 kg	E2	P002	–	IBC08	B4 B21
2465	DICHLOROISOCYANURIC ACID, DRY or DICHLOROISOCYANURIC ACID SALTS	5.1	–	II	135	1 kg	E2	P002	–	IBC08	B4 B21
2466	POTASSIUM SUPEROXIDE	5.1	–	I	–	0	E0	P503	–	IBC06	B1

Portable tanks and bulk containers			EmS (15) 5.4.3.4 7.8	Stowage and handling (16a) 7.1 7.3–7.7	Segregation (16b) 7.2–7.7	Properties and observations (17)	UN No. (18)
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
–	T21	TP3 TP7 TP26	F-A, S-M	Category D	–	Molten liquid. Melting point: 44°C. Ignites spontaneously in air. Toxic if swallowed, by skin contact or by inhalation. Shipped molten above its melting point.	2447
–	T1	TP3	F-A, S-H	Category C	SG17	Melting point: 119°C. Molten sulphur may contain hydrogen sulphide, which is highly poisonous in low concentrations. When involved in a fire, evolves toxic, very irritating and suffocating gas. Forms explosive and extremely sensitive mixtures with oxidizing substances. Shipped molten above its melting point.	2448
–	–	–	F-C, S-W	Category D SW2	–	Non-flammable, non-toxic, colourless, odourless gas. Strong oxidizing agent; reacts violently with many substances, e.g. grease, oil, etc. Much heavier than air (2.4). May cause slight eye irritation.	2451
–	–	–	F-D, S-U	Category B SW1 SW2	–	Liquefied, flammable, colourless gas with an odour similar to acetylene. Heavier than air (1.9). Boiling point: 8°C. Irritating to skin, eyes and mucous membranes.	2452
–	–	–	F-D, S-U	Category E SW2	–	Liquefied, flammable, colourless gas. Explosive limits: 5% to 10%. Heavier than air (1.7). Boiling point: –37°C.	2453
–	–	–	F-D, S-U	Category E SW2	–	Flammable, colourless gas. Heavier than air (1.2).	2454
–	–	–	–	–	–	Transport is prohibited.	2455
–	T11	TP2	F-E, S-D	Category E	SGG10	Colourless liquid. Flashpoint: below –18°C c.c. Explosive limits: 2.5% to 12%. Boiling point: 23°C. Immiscible with water. Harmful if swallowed or by inhalation. Irritating to skin, eyes and mucous membranes.	2456
–	T7	TP1	F-E, S-D	Category E	–	Colourless liquid. Flashpoint: –29°C c.c. Explosive limits: 1.2% to 7%. Immiscible with water. Irritating to skin, eyes and mucous membranes. Narcotic in high concentrations.	2457
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquids. 1,3-HEXADIENE: flashpoint –3°C c.c. 1,4-HEXADIENE: flashpoint –25°C c.c. 1,5-HEXADIENE: flashpoint –27°C c.c. 2,4-HEXADIENE: flashpoint –7°C c.c. Immiscible with water. Harmful by inhalation. Irritating to skin, eyes and mucous membranes.	2458
–	T11	TP2	F-E, S-D	Category E	–	Colourless, volatile liquid with a disagreeable odour. Flashpoint: below –18°C c.c. Immiscible with water. Irritating to skin, eyes and mucous membranes.	2459
–	T7	TP1	F-E, S-D	Category E	–	Colourless, volatile liquid with a disagreeable odour. Flashpoint: below –18°C c.c. Immiscible with water. Irritating to skin, eyes and mucous membranes.	2460
–	T4	TP1	F-E, S-D	Category E	–	Colourless liquids. Flashpoint: below –18°C c.c. Immiscible with water. Irritating to skin, eyes and mucous membranes.	2461
–	–	–	F-G, S-O	Category E H1	SG26	White to grey powder. In contact with water, acids or moisture, evolves hydrogen, which may be ignited by the heat of the reaction.	2463
–	T3	TP33	F-A, S-Q	Category A	–	White or light yellow deliquescent crystals, or fine dust. Mixtures with combustible material are readily ignited and may burn fiercely. Toxic if swallowed, by skin contact or by dust inhalation.	2464
–	T3	TP33	F-A, S-Q	Category A H1	–	White crystalline powder or granules; slightly hygroscopic. Partially soluble in water. Mixtures with combustible material are sensitive to friction and are liable to ignite. Harmful by inhalation. Irritating to skin, eyes and mucous membranes.	2465
–	–	–	F-G, S-Q	Category D H1	SGG16 SG16 SG26 SG35 SG59	Yellow flakes. Particularly if wetted with small quantities of water, a mixture with combustible material may ignite, following impact or friction. When involved in a fire, or in contact with water or acids, decomposes, evolving oxygen. Highly irritating to skin, eyes and mucous membranes.	2466

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2468	TRICHLOROISOCYANURIC ACID, DRY	5.1	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
2469	ZINC BROMATE	5.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2470	PHENYLACETONITRILE, LIQUID	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2471	OSMIUM TETROXIDE	6.1	– P	I	–	0	E5	P002	PP30 PP31	IBC07	B1
2473	SODIUM ARSANILATE	6.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
△ 2474	THIOPHOSGENE	6.1	–	I	279 354	0	E0	P602	–	–	–
2475	VANADIUM TRICHLORIDE	8	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
△ 2477	METHYL ISOTHIOCYANATE	6.1	3	I	354	0	E0	P602	–	–	–
2478	ISOCYANATES, FLAMMABLE, TOXIC, N.O.S. or ISOCYANATE SOLUTION, FLAMMABLE, TOXIC, N.O.S.	3	6.1	II	274	1 L	E2	P001	PP31	IBC02	–
2478	ISOCYANATES, FLAMMABLE, TOXIC, N.O.S. or ISOCYANATE SOLUTION, FLAMMABLE, TOXIC, N.O.S.	3	6.1	III	223 274	5 L	E1	P001	PP31	IBC03	–
2480	METHYL ISOCYANATE	6.1	3	I	354	0	E0	P601	–	–	–
△ 2481	ETHYL ISOCYANATE	6.1	3	I	354	0	E0	P602	–	–	–
△ 2482	n-PROPYL ISOCYANATE	6.1	3	I	354	0	E0	P602	–	–	–
△ 2483	ISOPROPYL ISOCYANATE	6.1	3	I	354	0	E0	P602	–	–	–

Portable tanks and bulk containers			EmS (15) 5.4.3.4 7.8	Stowage and handling (16a) 7.1 7.3–7.7	Segregation (16b) 7.2–7.7	Properties and observations (17)	UN No. (18)
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
–	T3	TP33	F-A, S-Q	Category A H1	–	Colourless powder or granules. Mixtures with combustible material are sensitive to friction and are liable to ignite. On contact with nitrogen compounds, fumes of nitrogen trichloride can be formed, which are very explosive. Harmful by inhalation. Irritating to skin, eyes and mucous membranes.	2468
–	T1	TP33	F-H, S-Q	Category A	SGG3 SGG7 SG38 SG49	Colourless powder. Soluble in water. Reacts vigorously with sulphuric acid. Reacts fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion.	2469
–	T4	TP1	F-A, S-A	Category A	SG35	Colourless to light brown liquid. Immiscible with water. Toxic if swallowed, by skin contact or by inhalation.	2470
–	T6	TP33	F-A, S-A	Category B SW2	–	Pale yellow, crystalline, volatile solid with an irritating odour. Highly toxic if swallowed, by skin contact or by inhalation.	2471
–	T1	TP33	F-A, S-A	Category A	–	White, crystalline powder. Soluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	2473
–	T20	TP2 TP13	F-A, S-A	Category D SW2	SG35	Red fuming liquid with a foul phosgene-like odour. Decomposes slowly in water. Reacts with acids, evolving toxic and corrosive fumes. Highly toxic if swallowed, by skin contact or by inhalation.	2474
–	T1	TP33	F-A, S-B	Category A SW2	SGG1 SG36 SG49	Pink, deliquescent crystals. Decomposes in water, evolving hydrogen chloride, a corrosive gas apparent as white fumes. In the presence of moisture, highly corrosive to most metals. Irritating to skin, eyes and mucous membranes.	2475
–	T20	TP2 TP13	F-E, S-D	Category D SW2	–	White crystals. Usually shipped as an oily liquid with a flashpoint below 60°C c.c. Melting point: 36°C (pure substance). Flashpoint: 32°C c.c. (pure substance). Insoluble in water. When involved in a fire, evolves toxic gases. Highly toxic if swallowed, by skin contact or by inhalation.	2477
–	T11	TP2 TP13 TP27	F-E, S-D	Category D SW2	–	Flammable toxic liquids with a pungent odour. Immiscible with water but react with it to form carbon dioxide. Toxic if swallowed, by skin contact or by inhalation. Irritating to skin, eyes and mucous membranes.	2478
–	T7	TP1 TP13 TP28	F-E, S-D	Category A	–	See entry above.	2478
–	T22	TP2 TP13	F-E, S-D	Category D SW2	SG35	Flammable liquid with a pungent odour. Flashpoint: –7°C c.c. (pure product). Boiling point: 38°C (pure product). Vapour heavier than air. Immiscible with water but reacts violently with it. In contact with water or acids, evolves highly toxic nitrous fumes. Highly toxic if swallowed, by skin contact or by inhalation. Irritating to skin, eyes and mucous membranes.	2480
–	T20	TP2 TP13	F-E, S-D	Category D SW2	SG35	Liquid with a pungent odour. Flashpoint: –18°C to 0°C c.c. Boiling point: 60°C. Immiscible with water but reacts violently with it. On contact with water or acids, or when heated above boiling point, evolves highly toxic nitrous fumes. Highly toxic if swallowed, by skin contact or by inhalation. Irritating to skin, eyes and mucous membranes.	2481
–	T20	TP2 TP13	F-E, S-D	Category D SW2	–	Flammable liquid with a pungent odour. Immiscible with water but reacts violently with it, evolving gases. Flashpoint: –18°C to 23°C c.c. Highly toxic if swallowed, by skin contact or by inhalation. Irritating to skin, eyes and mucous membranes.	2482
–	T20	TP2 TP13	F-E, S-D	Category D SW2	–	Liquid with a pungent odour. Flashpoint: –10°C to 0°C c.c. Immiscible with water but reacts violently with it, evolving gases. Highly toxic if swallowed, by skin contact or by inhalation. Irritating to skin, eyes and mucous membranes.	2483

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
△ 2484	tert-BUTYL ISOCYANATE	6.1	3	I	354	0	E0	P602	–	–	–
△ 2485	n-BUTYL ISOCYANATE	6.1	3	I	354	0	E0	P602	–	–	–
△ 2486	ISOBUTYL ISOCYANATE	6.1	3	I	354	0	E0	P602	–	–	–
△ 2487	PHENYL ISOCYANATE	6.1	3	I	354	0	E0	P602	–	–	–
△ 2488	CYCLOHEXYL ISOCYANATE	6.1	3	I	354	0	E0	P602	–	–	–
2490	DICHLOROISOPROPYL ETHER	6.1	–	II	–	100 mL	E4	P001	–	IBC02	–
2491	ETHANOLAMINE or ETHANOLAMINE SOLUTION	8	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
2493	HEXAMETHYLENEIMINE	3	8	II	–	1 L	E2	P001	–	IBC02	–
2495	IODINE PENTAFLUORIDE	5.1	6.1/8	I	–	0	E0	P200	–	–	–
2496	PROPIONIC ANHYDRIDE	8	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2498	1,2,3,6-TETRAHYDRO-BENZALDEHYDE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2501	TRIS-(1-AZIRIDINYL) PHOSPHINE OXIDE SOLUTION	6.1	–	II	–	100 mL	E4	P001	–	IBC02	–
2501	TRIS-(1-AZIRIDINYL) PHOSPHINE OXIDE SOLUTION	6.1	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
2502	VALERYL CHLORIDE	8	3	II	–	1 L	E2	P001	–	IBC02	–
2503	ZIRCONIUM TETRACHLORIDE	8	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2504	TETRABROMOETHANE	6.1	– P	III	–	5 L	E1	P001 LP01	–	IBC03	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T20	TP2 TP13	F-E, S-D	Category D SW2	–	Colourless liquid with a pungent odour. Immiscible with water but reacts violently with it, evolving gases. Flashpoint: 11°C c.c. Highly toxic if swallowed, by skin contact or by inhalation. Irritating to skin, eyes and mucous membranes.	2484
–	T20	TP2 TP13	F-E, S-D	Category D SW2	–	Colourless liquid with a pungent odour. Immiscible with water but reacts violently with it, evolving gases. Flashpoint: 19°C c.c. Highly toxic if swallowed, by skin contact or by inhalation. Irritating to skin, eyes and mucous membranes.	2485
–	T20	TP2 TP13	F-E, S-D	Category D SW2	–	Liquid with a pungent odour. Immiscible with water but reacts violently with it, evolving gases. Highly toxic if swallowed, by skin contact or by inhalation. Irritating to skin, eyes and mucous membranes.	2486
–	T20	TP2 TP13	F-E, S-D	Category D SW2	–	Colourless to yellowish liquid with a pungent odour. Flashpoint: 51°C c.c. Immiscible with water. Reacts with water, evolving carbon dioxide. Highly toxic if swallowed, by skin contact or by inhalation. Irritating to skin, eyes and mucous membranes.	2487
–	T20	TP2 TP13	F-E, S-D	Category D SW2	–	Yellowish liquid with an irritating odour. Flashpoint: 53°C c.c. Immiscible with water. Reacts with water, evolving carbon dioxide. Highly toxic if swallowed, by skin contact or by inhalation. Irritating to skin, eyes and mucous membranes.	2488
–	T7	TP2	F-A, S-A	Category B	–	Colourless liquid. Immiscible with water. Toxic if swallowed, by skin contact or by inhalation.	2490
–	T4	TP1	F-A, S-B	Category A	SGG18 SG35	Colourless. Miscible with water. Corrosive to copper, copper compounds, copper alloys and rubber. Reacts violently with acids. Liquid and vapour cause burns to skin, eyes and mucous membranes.	2491
–	T7	TP1	F-E, S-C	Category B SW2	–	Yellowish liquid with an ammoniacal odour. Flashpoint: 18°C c.c. Miscible with water. Harmful by inhalation. Absorbed through the skin. Causes burns to skin, eyes and mucous membranes.	2493
–	–	–	F-A, S-Q	Category D SW1 SW2	SGG1 SG6 SG16 SG19 SG35 SG36 SG49	Colourless, fuming liquid (density 3.75). Powerful oxidant; may cause fire in contact with organic material such as wood, cotton or straw. Reacts violently with water, evolving hydrogen fluoride, a toxic, extremely corrosive gas apparent as white fumes. In contact with acids or acid fumes, evolves highly toxic fumes of iodine, fluorine and their compounds. Highly corrosive to most metals. Toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	2495
–	T4	TP1	F-A, S-B	Category A	SGG1 SG36 SG49	Colourless, combustible liquid with a pungent odour. Reacts with water, forming propionic acid. Corrosive to skin, eyes and mucous membranes.	2496
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid. Flashpoint: 57°C o.c. Immiscible with water.	2498
–	T7	TP2	F-A, S-A	Category A	–	Aqueous solution. Miscible with water. Toxic if swallowed, by skin contact or by inhalation.	2501
–	T4	TP1	F-A, S-A	Category A	–	See entry above.	2501
–	T7	TP2	F-E, S-C	Category C SW2	SGG1 SG36 SG49	Liquid with a penetrating odour. Flashpoint: 23°C c.c. or above. Reacts with water, evolving hydrogen chloride, a corrosive gas apparent as white fumes. Corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	2502
–	T1	TP33	F-A, S-B	Category A	SGG1 SG36 SG49	White, lustrous crystals. Reacts with water, evolving hydrogen chloride, a corrosive gas apparent as white fumes. In the presence of moisture, corrosive to most metals. Irritating to mucous membranes.	2503
–	T4	TP1	F-A, S-A	Category A	SGG10	Colourless to yellowish liquid with a camphor-like odour. Toxic if swallowed, by skin contact or by inhalation.	2504

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2505	AMMONIUM FLUORIDE	6.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2506	AMMONIUM HYDROGEN SULPHATE	8	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
2507	CHLOROPLATINIC ACID, SOLID	8	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2508	MOLYBDENUM PENTACHLORIDE	8	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2509	POTASSIUM HYDROGEN SULPHATE	8	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
2511	2-CHLOROPROPIONIC ACID	8	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
2512	AMINOPHENOLS (<i>o</i> -, <i>m</i> -, <i>p</i> -)	6.1	–	III	279	5 kg	E1	P002 LP02	–	IBC08	B3
2513	BROMOACETYL BROMIDE	8	–	II	–	1 L	E2	P001	–	IBC02	B20
2514	BROMOBENZENE	3	– P	III	–	5 L	E1	P001 LP01	–	IBC03	–
2515	BROMOFORM	6.1	– P	III	–	5 L	E1	P001 LP01	–	IBC03	–
2516	CARBON TETRABROMIDE	6.1	– P	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2517	1-CHLORO-1,1-DIFLUORO-ETHANE (REFRIGERANT GAS R 142b)	2.1	–	–	–	0	E0	P200	–	–	–
2518	1,5,9-CYCLODODECATRIENE	6.1	– P	III	–	5 L	E1	P001 LP01	–	IBC03	–
2520	CYCLOOCTADIENES	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
△ 2521	DIKETENE, STABILIZED	6.1	3	I	354 386	0	E0	P602	–	–	–
△ 2522	2-DIMETHYLAMINOETHYL METHACRYLATE, STABILIZED	6.1	–	II	386	100 mL	E4	P001	–	IBC02	–
2524	ETHYL ORTHOFORMATE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T1	TP33	F-A, S-A	Category A	SGG2 SG35	Colourless crystals or powder with an ammonia-like odour. Readily soluble in water. Decomposes in contact with acids, evolving hydrogen fluoride, a corrosive gas. Toxic if swallowed, by skin contact or by dust inhalation.	2505
–	T3	TP33	F-A, S-B	Category A SW2	SGG1 SGG2 SG36 SG49	White, rhombic crystals. Soluble in water. When involved in a fire, evolves extremely irritating and corrosive fumes. In the presence of moisture, corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	2506
–	T1	TP33	F-A, S-B	Category A	SGG1 SG36 SG49	Red-brown crystals. Soluble in water.	2507
–	T1	TP33	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Black or green-black crystals. Hygroscopic. Reacts violently with water, evolving hydrogen chloride, a corrosive gas apparent as white fumes. Harmful if swallowed. Dust and vapour irritate skin, eyes and mucous membranes.	2508
–	T3	TP33	F-A, S-B	Category A	SGG1 SG36 SG49	Colourless crystals. Soluble in water. When involved in a fire, evolves extremely irritating and corrosive fumes. In the presence of moisture, corrosive to most metals. Irritating to skin, eyes and mucous membranes.	2509
–	T4	TP2	F-A, S-B	Category A	SGG1 SG36 SG49	Colourless, aqueous solution with a specific odour. Causes burns to skin, eyes and mucous membranes.	2511
–	T1	TP33	F-A, S-A	Category A	–	White or brownish (<i>ortho</i> - and <i>para</i> -) or reddish-yellow (<i>meta</i> -) crystals. Soluble in water. Toxic if swallowed, by skin contact or by inhalation.	2512
–	T8	TP2	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Clear liquid, colourless. Boiling point: 150°C. Reacts violently with water, evolving hydrogen bromide, an irritating and corrosive gas apparent as white fumes. In the presence of moisture, highly corrosive to most metals. Reacts violently with alkalis such as ammonia and hydrazine. Causes very severe burns to skin, eyes and mucous membranes. Vapour causes tears.	2513
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid with a characteristic odour. Flashpoint: 51°C c.c. Explosive limits: 0.5% to 2.8%. Immiscible with water.	2514
–	T4	TP1	F-A, S-A	Category A SW1 SW2 H2	SGG10	Colourless liquid or crystals (melting point 9°C) with a chloroform-like odour. Toxic if swallowed, by skin contact or by inhalation. Narcotic effect.	2515
–	T1	TP33	F-A, S-A	Category A SW1	–	Colourless crystals. Melting point: 48°C. Insoluble in water. Toxic if swallowed, by skin contact or by inhalation of dust and vapour.	2516
–	T50	–	F-D, S-U	Category B SW2	–	Flammable gas. Explosive limits: 8.5% to 14%. Much heavier than air (3.5).	2517
–	T4	TP1	F-A, S-A	Category A SW2	–	Colourless liquid. Toxic if swallowed, by skin contact or by inhalation.	2518
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquids. Immiscible with water. 1,5-CYCLOOCTADIENE: flashpoint 38°C c.c. Irritating to skin, eyes and mucous membranes.	2520
–	T20	TP2 TP13	F-E, S-D	Category D SW1 SW2	SG20 SG21	Colourless flammable liquid with a pungent odour. Flashpoint: 44°C c.c. Immiscible with water, but hydrolyses slowly in contact with it. The presence of acids, bases or amines can initiate explosive polymerization. Highly toxic if swallowed, by skin contact or by inhalation.	2521
–	T7	TP2	F-A, S-A	Category D SW2	–	Combustible liquid. Causes tears. Toxic if swallowed, by skin contact or by inhalation.	2522
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid with an ethereal odour. Flashpoint: 30°C c.c. Immiscible with water.	2524

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2525	ETHYL OXALATE	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2526	FURFURYLAMINE	3	8	III	–	5 L	E1	P001	–	IBC03	–
2527	ISOBUTYL ACRYLATE, STABILIZED	3	–	III	386	5 L	E1	P001 LP01	–	IBC03	–
2528	ISOBUTYL ISOBUTYRATE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2529	ISOBUTYRIC ACID	3	8	III	–	5 L	E1	P001	–	IBC03	–
2531	METHACRYLIC ACID, STABILIZED	8	–	II	386	1 L	E2	P001	–	IBC02	–
2533	METHYL TRICHLOROACETATE	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2534	METHYLCHLOROSILANE	2.3	2.1/8	–	–	0	E0	P200	–	–	–
2535	4-METHYLMORPHOLINE (N-METHYLMORPHOLINE)	3	8	II	–	1 L	E2	P001	–	IBC02	–
2536	METHYLTETRAHYDROFURAN	3	–	II	–	1 L	E2	P001	–	IBC02	–
2538	NITRONAPHTHALENE	4.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2541	TERPINOLENE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2542	TRIBUTYLAMINE	6.1	–	II	–	100 mL	E4	P001	–	IBC02	–
2545	HAFNIUM POWDER, DRY	4.2	–	I	–	0	E0	P404	PP31	–	–
2545	HAFNIUM POWDER, DRY	4.2	–	II	–	0	E2	P410	PP31	IBC06	B21
2545	HAFNIUM POWDER, DRY	4.2	–	III	223	0	E1	P002 LP02	PP31 L4	IBC08	B4
2546	TITANIUM POWDER, DRY	4.2	–	I	–	0	E0	P404	PP31	–	–
2546	TITANIUM POWDER, DRY	4.2	–	II	–	0	E2	P410	PP31	IBC06	B21
2546	TITANIUM POWDER, DRY	4.2	–	III	223	0	E1	P002 LP02	PP31 L4	IBC08	B4

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T4	TP1	F-A, S-A	Category A	–	Colourless, oily, aromatic liquid. Slowly decomposed by water. Toxic if swallowed, by skin contact or by dust inhalation.	2525
–	T4	TP1	F-E, S-C	Category A SW2	SG35	Pale yellow, oily liquid. Flashpoint: 37°C o.c. Miscible with water. Harmful by inhalation. Causes burns to skin and eyes. Irritating to mucous membranes.	2526
–	T2	TP1	F-E, S-D	Category C SW1	–	Colourless liquid with a pungent odour. Flashpoint: 29°C o.c. Immiscible with water. Harmful by inhalation. Irritating to skin, eyes and mucous membranes.	2527
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid with a fruity odour. Flashpoint: 37°C c.c. Explosive limits: 0.96% to 7.59%. Immiscible with water.	2528
–	T4	TP1	F-E, S-C	Category A	–	Colourless liquid with a pungent odour. Flashpoint: 55°C c.c. Explosive limits: 2% to 9.2%. Miscible with water. Causes burns to skin and eyes. Irritating to skin, eyes and mucous membranes.	2529
–	T7	TP2 TP18 TP30	F-A, S-B	Category C SW1 SW2	SGG1 SG36 SG49	Colourless, combustible liquid with a specific odour. Miscible with water. Polymerizes readily above its melting point (15°C), thereby generating heat and possible risk of explosion; should therefore be properly stabilized. Cooling below melting point (15°C) followed by subsequent reheating can release uninhibited monomer that readily polymerizes. Decomposes when heated, evolving toxic gases. Causes burns to skin, eyes and mucous membranes.	2531
–	T4	TP1	F-A, S-A	Category A	–	Colourless liquid. Immiscible with water. Toxic if swallowed, by skin contact or by inhalation.	2533
–	–	–	F-D, S-U	Category D SW2	SG4 SG9	Liquefied, flammable, toxic and corrosive colourless gas with a pungent odour. Reacts with water, evolving hydrogen chloride, an irritating and corrosive gas. Heavier than air. Boiling point: 9°C. Highly irritating to skin, eyes and mucous membranes.	2534
–	T7	TP1	F-E, S-C	Category B SW2	–	Colourless liquid with an ammonia-like odour. Flashpoint: 13°C c.c. Miscible with water. Harmful by inhalation. Causes burns to skin and eyes. Irritating to mucous membranes.	2535
–	T4	TP1	F-E, S-D	Category B	–	Colourless, volatile liquid with an ether-like odour. Flashpoint: –11°C o.c. Immiscible with water.	2536
–	T1	TP33	F-A, S-G	Category A	–	Yellow crystals. Insoluble in water. Harmful if swallowed.	2538
–	T2	TP1	F-E, S-E	Category A	–	Colourless to pale amber liquid with a lemon odour. Flashpoint: 37°C c.c. Immiscible with water.	2541
–	T7	TP2	F-A, S-A	Category A	–	Colourless, combustible liquid with an amine odour. Immiscible with water. When involved in a fire, evolves toxic gases. Toxic if swallowed, by skin contact or by inhalation.	2542
–	–	–	F-G, S-M	Category D H1	SGG15 SG26	Black amorphous powder. Insoluble in water. Liable to ignite spontaneously in air. Forms explosive mixtures with oxidizing substances.	2545
–	T3	TP33	F-G, S-M	Category D H1	SGG15 SG26	See entry above.	2545
–	T1	TP33	F-G, S-M	Category D H1	SGG15 SG26	See entry above.	2545
–	–	–	F-G, S-M	Category D H1	SGG7 SGG15 SG26	Grey powder. Liable to ignite spontaneously in air. Forms explosive mixtures with oxidizing substances.	2546
–	T3	TP33	F-G, S-M	Category D H1	SGG7 SGG15 SG26	See entry above.	2546
–	T1	TP33	F-G, S-M	Category D H1	SGG7 SGG15 SG26	See entry above.	2546

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2547	SODIUM SUPEROXIDE	5.1	–	I	–	0	E0	P503	–	IBC06	B1
2548	CHLORINE PENTAFLUORIDE	2.3	5.1/8	–	–	0	E0	P200	–	–	–
2552	HEXAFLUOROACETONE HYDRATE, LIQUID	6.1	–	II	–	100 mL	E4	P001	–	IBC02	–
2554	METHYLALLYL CHLORIDE	3	–	II	–	1 L	E2	P001	–	IBC02	–
△ 2555	NITROCELLULOSE WITH WATER (not less than 25% water, by mass)	4.1	–	II	28 394	0	E0	P406	PP31	–	–
△ 2556	NITROCELLULOSE WITH ALCOHOL (not less than 25% alcohol, by mass, and not more than 12.6% nitrogen, by dry mass)	4.1	–	II	28 394	0	E0	P406	PP31	–	–
△ 2557	NITROCELLULOSE with not more than 12.6% nitrogen, by dry mass, MIXTURE WITH or WITHOUT PLASTICIZER, WITH or WITHOUT PIGMENT	4.1	–	II	241 394	0	E0	P406	PP31	–	–
2558	EPIBROMOHYDRIN	6.1	3 P	I	–	0	E0	P001	–	–	–
2560	2-METHYLPENTAN-2-OL	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2561	3-METHYL-1-BUTENE	3	–	I	–	0	E3	P001	–	–	–
2564	TRICHLOROACETIC ACID SOLUTION	8	–	II	–	1 L	E2	P001	–	IBC02	–
2564	TRICHLOROACETIC ACID SOLUTION	8	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
2565	DICYCLOHEXYLAMINE	8	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2567	SODIUM PENTACHLOROPHENATE	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-G, S-Q	Category D H1	SGG16 SG16 SG26 SG35 SG59	Pale yellow coarse powder or granules. Particularly if wetted with small quantities of water, a mixture with combustible material may ignite, following impact or friction. When involved in a fire, or in contact with water or acids, decomposes, evolving oxygen. Highly irritating to skin, eyes and mucous membranes.	2547
–	–	–	F-C, S-W	Category D SW2	SG6 SG19	Non-flammable, toxic and corrosive gas. Forms dense, white, corrosive fumes in moist air. Reacts violently with water, evolving hydrogen fluoride, a toxic, irritating and corrosive gas apparent as white fumes. Corrosive to glass and to most metals. Powerful oxidizing agent which may cause violent fires with combustible materials. Much heavier than air (4.5). Highly irritating to skin, eyes and mucous membranes.	2548
–	T7	TP2	F-A, S-A	Category B SW2	–	Toxic if swallowed, by skin contact or by inhalation.	2552
–	T4	TP1 TP13	F-E, S-D	Category E	SGG10	Colourless to yellowish, volatile liquid with a penetrating odour. Flashpoint: –12°C c.c. Explosive limits: 2.3% to 9.3%. Immiscible with water. When involved in a fire, may evolve highly toxic phosgene gas. Harmful by inhalation. Irritating to skin, eyes and mucous membranes.	2554
–	–	–	F-B, S-J	Category E	SG7 SG30	Desensitized explosive. Nitrocellulose may be granular or in flakes, blocks or fibrous form. When involved in a fire, evolves toxic fumes; in closed compartments, these fumes may form an explosive mixture with air. May form extremely sensitive compounds with heavy metals or their salts.	2555
–	–	–	F-B, S-J	Category D SW1 H2	SG7 SG30	Nitrocellulose may be granular or in flakes, blocks or fibrous form. In case of leakage, flammable vapours are evolved which, in closed compartments, may form explosive mixtures with air. When involved in a fire, evolves toxic fumes; in closed compartments, these fumes may form an explosive mixture with air. Highly explosive when dry. May form extremely sensitive compounds with heavy metals or their salts.	2556
–	–	–	F-B, S-J	Category D	SG7 SG30	Nitrocellulose may be in granular form or in flakes. This product may also contain added pigments. When involved in a fire, evolves toxic fumes; in closed compartments, these fumes may form an explosive mixture with air. Burns extremely rapidly with intense heat radiation. The formulation should be prepared so that it remains homogeneous and does not separate during transport. May form extremely sensitive compounds with heavy metals or their salts.	2557
–	T14	TP2 TP13	F-E, S-D	Category D SW2	–	Flammable liquid. Flashpoint: 56°C c.c. Highly toxic if swallowed, by skin contact or by inhalation.	2558
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid. Flashpoint: 30°C c.c. Partially miscible with water. Irritating to skin, eyes and mucous membranes.	2560
–	T11	TP2	F-E, S-D	Category E	–	Colourless, volatile liquid with a disagreeable odour. Flashpoint: below –18°C c.c. Immiscible with water. Irritating to skin, eyes and mucous membranes.	2561
–	T7	TP2	F-A, S-B	Category B	SGG1 SG36 SG49	Colourless, clear solution with a pungent odour. Corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	2564
–	T4	TP1	F-A, S-B	Category B	SGG1 SG36 SG49	See entry above.	2564
–	T4	TP1	F-A, S-B	Category A	SG35	Clear, colourless, combustible liquid with a fishy odour which may taint other cargoes. Immiscible with water. Causes burns to skin, eyes and mucous membranes.	2565
–	T3	TP33	F-A, S-A	Category A	–	White or light brown powder with a pungent odour. Soluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	2567

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2570	CADMIUM COMPOUND	6.1	–	I	274	0	E5	P002	–	IBC07	B1
2570	CADMIUM COMPOUND	6.1	–	II	274	500 g	E4	P002	–	IBC08	B4 B21
2570	CADMIUM COMPOUND	6.1	–	III	223 274	5 kg	E1	P002 LP02	–	IBC08	B3
2571	ALKYLSULPHURIC ACIDS	8	–	II	–	1 L	E2	P001	–	IBC02	–
2572	PHENYLHYDRAZINE	6.1	–	II	–	100 mL	E4	P001	–	IBC02	–
2573	THALLIUM CHLORATE	5.1	6.1 P	II	–	1 kg	E2	P002	–	IBC06	B21
2574	TRICRESYL PHOSPHATE with more than 3% <i>ortho</i> -isomer	6.1	– P	II	–	100 mL	E4	P001	–	IBC02	–
2576	PHOSPHORUS OXYBROMIDE, MOLTEN	8	–	II	–	0	E0	–	–	–	–
2577	PHENYLACETYL CHLORIDE	8	–	II	–	1 L	E2	P001	–	IBC02	–
2578	PHOSPHORUS TRIOXIDE	8	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2579	PIPERAZINE	8	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2580	ALUMINIUM BROMIDE SOLUTION	8	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
2581	ALUMINIUM CHLORIDE SOLUTION	8	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
2582	FERRIC CHLORIDE SOLUTION	8	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
2583	ALKYLSULPHONIC ACIDS, SOLID or ARYLSULPHONIC ACIDS, SOLID with more than 5% free sulphuric acid	8	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T6	TP33	F-A, S-A	Category A	–	Powder or crystals with various colours. May be soluble or insoluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	2570
–	T3	TP33	F-A, S-A	Category A	–	See entry above.	2570
–	T1	TP33	F-A, S-A	Category A	–	See entry above.	2570
–	T8	TP2 TP13 TP28	F-A, S-B	Category C SW15	SGG1 SG36 SG49	Colourless oily liquids. React with water, evolving heat. Cause burns to skin, eyes and mucous membranes. Highly corrosive to metal.	2571
–	T7	TP2	F-A, S-A	Category A SW2	–	Pale yellow oily liquid. Melting point: 20°C. Slightly soluble in water. Toxic if swallowed, by skin contact or by inhalation.	2572
–	T3	TP33	F-H, S-Q	Category A	SGG4 SG38 SG49	Colourless crystals. Slightly soluble in water. Reacts vigorously with sulphuric acid. Reacts fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion. Toxic if swallowed, by skin contact or by dust inhalation.	2573
–	T7	TP2	F-A, S-A	Category A	–	Colourless liquid. A mixture of isomers. Immiscible with water. Toxic if swallowed, by skin contact or by inhalation.	2574
–	T7	TP3 TP13	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Colourless liquid with a pungent odour. Melting point: 56°C. Reacts violently with water, evolving hydrogen bromide, a toxic and corrosive gas apparent as white fumes. Reacts violently with organic materials (such as wood, cotton, straw), causing fire. When involved in a fire, evolves highly toxic and corrosive gases. In the presence of moisture, highly corrosive to most metals. Vapours and liquid cause burns to skin, eyes and mucous membranes. Shipped molten above its melting point.	2576
–	T7	TP2	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Colourless liquid with a pungent odour. Reacts with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. When involved in a fire, evolves highly toxic fumes. Corrosive to most metals. Vapour irritates eyes and mucous membranes. Liquid is corrosive to skin, eyes and mucous membranes.	2577
–	T1	TP33	F-A, S-B	Category A SW1 H2	SGG1 SG36 SG49	Colourless crystals or white deliquescent powder. Melting point: 23°C. Reacts with water, evolving heat and at normal temperatures phosphoric acid, but at higher temperatures phosphine, a highly toxic gas. In the presence of moisture, corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	2578
–	T1	TP33	F-A, S-B	Category A SW1 H2	SGG18 SG35	Colourless, deliquescent crystals, turning dark on exposure to light. Soluble in water. Decomposes when heated and when involved in a fire, evolving highly toxic nitrous fumes. The solution in water is a strong base and is highly corrosive. Reacts violently with acids. Irritating to skin, eyes and mucous membranes.	2579
–	T4	TP1	F-A, S-B	Category A	SGG1 SG36 SG49	Colourless to yellowish liquid. Highly corrosive to most metals. Vapour highly irritating to skin, eyes and mucous membranes. Liquid causes severe burns to skin, eyes and mucous membranes.	2580
–	T4	TP1	F-A, S-B	Category A	SGG1 SG36 SG49	Colourless to yellowish liquid. Highly corrosive to most metals. Vapour highly irritating to skin, eyes and mucous membranes. Liquid causes severe burns to skin, eyes and mucous membranes.	2581
–	T4	TP1	F-A, S-B	Category A	SGG1 SG36 SG49	Colourless to light brown liquid. Highly corrosive to most metals.	2582
–	T3	TP33	F-A, S-B	Category A	SGG1 SG36 SG49	When involved in a fire, evolve highly toxic gases. Corrosive to most metals, especially in the presence of moisture. Cause burns to skin, eyes and mucous membranes.	2583

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2584	ALKYLSULPHONIC ACIDS, LIQUID or ARYLSULPHONIC ACIDS, LIQUID with more than 5% free sulphuric acid	8	–	II	–	1 L	E2	P001	–	IBC02	B20
2585	ALKYLSULPHONIC ACIDS, SOLID or ARYLSULPHONIC ACIDS, SOLID with not more than 5% free sulphuric acid	8	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2586	ALKYLSULPHONIC ACIDS, LIQUID or ARYLSULPHONIC ACIDS, LIQUID with not more than 5% free sulphuric acid	8	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2587	BENZOQUINONE	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
2588	PESTICIDE, SOLID, TOXIC, N.O.S.	6.1	–	I	61 274	0	E5	P002	–	IBC99	–
2588	PESTICIDE, SOLID, TOXIC, N.O.S.	6.1	–	II	61 274	500 g	E4	P002	–	IBC08	B4 B21
2588	PESTICIDE, SOLID, TOXIC, N.O.S.	6.1	–	III	61 223 274	5 kg	E1	P002 LP02	–	IBC08	B3
2589	VINYL CHLOROACETATE	6.1	3	II	–	100 mL	E4	P001	–	IBC02	–
2590	ASBESTOS, CHRYSOTILE	9	–	III	168	5 kg	E1	P002	PP37	IBC08	B3 B21
2591	XENON, REFRIGERATED LIQUID	2.2	–	–	–	120 mL	E1	P203	–	–	–
2599	CHLOROTRIFLUOROMETHANE AND TRIFLUOROMETHANE AZEOTROPIC MIXTURE with approximately 60% chlorotrifluoromethane (REFRIGERANT GAS R 503)	2.2	–	–	–	120 mL	E1	P200	–	–	–
2601	CYCLOBUTANE	2.1	–	–	–	0	E0	P200	–	–	–
2602	DICHLORODIFLUORO-METHANE AND DIFLUOROETHANE AZEOTROPIC MIXTURE with approximately 74% dichlorodifluoromethane (REFRIGERANT GAS R 500)	2.2	–	–	–	120 mL	E1	P200	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T8	TP2 TP13	F-A, S-B	Category B	SGG1 SG36 SG49	Liquids usually with a pungent odour. When involved in a fire, evolve highly toxic gases. Highly corrosive to most metals. Cause burns to skin, eyes and mucous membranes.	2584
–	T1	TP33	F-A, S-B	Category A	SGG1 SG36 SG49	Crystalline solids. When involved in a fire, evolve highly toxic gases. In the presence of moisture, corrosive to most metals. Cause burns to skin, eyes and mucous membranes.	2585
–	T4	TP1	F-A, S-B	Category B	SGG1 SG36 SG49	Liquids usually with a pungent odour. When involved in a fire, evolve highly toxic gases. Corrosive to most metals. Cause burns to skin, eyes and mucous membranes.	2586
–	T3	TP33	F-A, S-A	Category A	–	Yellow crystals with an irritating and penetrating odour resembling that of chlorine. Slightly soluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	2587
–	T6	TP33	F-A, S-A	Category A SW2	–	Solid pesticides present a very wide range of toxic hazard. Toxic if swallowed, by skin contact or by inhalation.	2588
–	T3	TP33	F-A, S-A	Category A SW2	–	See entry above.	2588
–	T1	TP33	F-A, S-A	Category A SW2	–	See entry above.	2588
–	T7	TP2	F-E, S-D	Category A	–	Flammable liquid. Flashpoint: 50°C c.c. Immiscible with water. Toxic if swallowed, by skin contact or by inhalation.	2589
–	T1	TP33	F-A, S-A	Category A SW2 H4	SG29	Mineral fibres of varying length. Non-combustible. Inhalation of the dust of asbestos fibres is dangerous and therefore exposure should be avoided at all times. Always prevent the generation of asbestos dust. A safe level of airborne concentration of asbestos fibres may be obtained through effective packing. Cargo spaces or freight containers that have contained any type of raw asbestos should be carefully cleaned before discharging any remaining cargo, loading other cargo or carrying out repair or maintenance work. Whenever possible, cleaning of cargo spaces should be carried out whilst the ship is in a port where proper facilities and equipment, including proper respiratory apparatus and protective clothing, are available. Parts of the body that may have been exposed should be immediately and thoroughly washed. All waste material should be collected in impermeable and sealed bags for safe disposal ashore. If cleaning cannot be carried out at the discharge port, arrangements should be made in advance for cleaning to be carried out at the next port where necessary facilities are available.	2590
–	T75	TP5	F-C, S-V	Category D	–	Liquefied, inert, colourless and odourless gas. Much heavier than air (4.5).	2591
–	–	–	F-C, S-V	Category A	–	Non-flammable, colourless gas with a mild ethereal odour. Much heavier than air (3.2).	2599
–	–	–	F-D, S-U	Category B SW2	–	Liquefied, flammable, colourless gas. Explosive limits: 1.8% to 10%. Heavier than air (1.9). Boiling point: 13°C.	2601
–	T50	–	F-C, S-V	Category A	–	Non-flammable, colourless and odourless gas. Much heavier than air (3.7).	2602

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2603	CYCLOHEPTATRIENE	3	6.1	II	–	1 L	E2	P001	–	IBC02	–
2604	BORON TRIFLUORIDE DIETHYL ETHERATE	8	3	I	–	0	E0	P001	PP31	–	–
△ 2605	METHOXYMETHYL ISOCYANATE	6.1	3	I	354	0	E0	P602	–	–	–
△ 2606	METHYL ORTHOSILICATE	6.1	3	I	354	0	E0	P602	–	–	–
2607	ACROLEIN DIMER, STABILIZED	3	–	III	386	5 L	E1	P001 LP01	–	IBC03	–
2608	NITROPROPANES	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2609	TRIALLYL BORATE	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2610	TRIALLYLAMINE	3	8	III	–	5 L	E1	P001	–	IBC03	–
2611	PROPYLENE CHLOROHYDRIN	6.1	3	II	–	100 mL	E4	P001	–	IBC02	–
2612	METHYL PROPYL ETHER	3	–	II	–	1 L	E2	P001	–	IBC02	B8
2614	METHALLYL ALCOHOL	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2615	ETHYL PROPYL ETHER	3	–	II	–	1 L	E2	P001	–	IBC02	–
2616	TRIISOPROPYL BORATE	3	–	II	–	1 L	E2	P001	–	IBC02	–
2616	TRIISOPROPYL BORATE	3	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
2617	METHYLCYCLOHEXANOLS, flammable	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2618	VINYLTOLUENES, STABILIZED	3	–	III	386	5 L	E1	P001 LP01	–	IBC03	–
2619	BENZYLDIMETHYLAMINE	8	3	II	–	1 L	E2	P001	–	IBC02	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T7	TP1 TP13	F-E, S-D	Category E SW2	–	Colourless to dark yellow liquid with a characteristic odour. Flashpoint: 0°C to 4°C c.c. Immiscible with water. Reacts vigorously with oxidizing substances. Toxic if swallowed, by skin contact or by inhalation.	2603
–	T10	TP2	F-E, S-C	Category D SW2	SGG1 SG36 SG49	Colourless fuming flammable liquid. Flashpoint: 59°C c.c. The flashpoint will be lower when free ether is present. Reacts vigorously with oxidizing substances. Decomposes in contact with water, evolving toxic, corrosive and flammable vapours. Causes burns to skin, eyes and mucous membranes. Inhalation of small quantities of vapour can cause breathing difficulties.	2604
–	T20	TP2 TP13	F-E, S-D	Category D SW2	–	Colourless liquid with a pungent odour. Flashpoint: 13°C c.c. Immiscible with water. Highly toxic if swallowed, by skin contact or by inhalation. Irritating to skin, eyes and mucous membranes.	2605
–	T20	TP2 TP13	F-E, S-D	Category D SW2	–	Colourless, flammable liquid with an ethereal odour. Immiscible with water. Flashpoint: –18°C to 19°C c.c. Highly toxic if swallowed, by skin contact or by inhalation. May cause blindness.	2606
–	T2	TP1	F-E, S-D	Category C SW1 SW2	–	Colourless liquid with a pungent odour. Flashpoint: 48°C o.c. Miscible with water. Harmful by inhalation. Irritating to skin, eyes and mucous membranes.	2607
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquids. Explosive limits: 2.2% to 11%. 1-NITROPROPANE: flashpoint approx. 33°C c.c. 2-NITROPROPANE: flashpoint approx. 28°C c.c. Partially miscible with water. Harmful by inhalation.	2608
–	–	–	F-A, S-A	Category A H1	–	Liquid. Hydrolyses in contact with water, forming allyl alcohol. Toxic if swallowed, by skin contact or by inhalation.	2609
–	T4	TP1	F-E, S-C	Category A SW2	SG35	Colourless liquid with a fishy odour. Flashpoint: 39°C o.c. Corrosive when in contact with water. Harmful by inhalation. Causes burns to skin and eyes. Irritating to mucous membranes.	2610
–	T7	TP2 TP13	F-E, S-D	Category A SW1 SW2 H2	–	Colourless flammable liquid with a mild odour. Flashpoint: 51°C c.c. Miscible with water. Decomposes when heated, evolving highly toxic fumes. Toxic if swallowed, by skin contact or by inhalation.	2611
–	T7	TP2	F-E, S-D	Category E SW2	–	Colourless, volatile liquid with an ethereal odour. Flashpoint: below –18°C c.c. Lower explosive limit: 2%. Boiling point: 39°C. Partially miscible with water. Narcotic. Irritating to skin, eyes and mucous membranes.	2612
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid with a pungent odour. Flashpoint: 34°C c.c. Miscible with water. Irritating to skin, eyes and mucous membranes.	2614
–	T4	TP1	F-E, S-D	Category E	–	Colourless, volatile liquids. Flashpoint: below –18°C c.c. Explosive limits: 1.7% to 9.0%. Miscible with water. Irritating to skin, eyes and mucous membranes.	2615
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid. Flashpoint: 17°C to 60°C c.c. Reacts with water, evolving flammable vapours.	2616
–	T2	TP1	F-E, S-D	Category A	–	See entry above.	2616
–	T2	TP1	F-E, S-D	Category A	–	Colourless, viscous liquid with a menthol-like odour. Flashpoint: 58°C c.c. Partially miscible with water.	2617
–	T2	TP1	F-E, S-D	Category C SW1	–	Colourless liquids. Flashpoint: 54°C to 60°C c.c. Explosive limits: 0.9% to 6.1%. Partially miscible with water. Harmful by inhalation. Irritating to skin, eyes and mucous membranes.	2618
–	T7	TP2	F-E, S-C	Category A SW1 SW2	SG35	Colourless, flammable liquid with an aromatic odour. Flashpoint: 58°C c.c. Immiscible with water. Harmful if swallowed, by skin contact or by inhalation. Corrosive to skin, eyes and mucous membranes.	2619

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2620	AMYL BUTYRATES	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2621	ACETYL METHYL CARBINOL	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2622	GLYCIDALDEHYDE	3	6.1	II	–	1 L	E2	P001	–	IBC02	B8
2623	FIRELIGHTERS, SOLID with flammable liquid	4.1	–	III	–	5 kg	E1	P002 LP02	PP15	–	–
2624	MAGNESIUM SILICIDE	4.3	–	II	–	500 g	E2	P410	PP31 PP40	IBC07	B4 B21
2626	CHLORIC ACID, AQUEOUS SOLUTION with not more than 10% chloric acid	5.1	–	II	900	1 L	E0	P504	PP31	IBC02	–
2627	NITRITES, INORGANIC, N.O.S.	5.1	–	II	274 900	1 kg	E2	P002	–	IBC08	B4 B21
2628	POTASSIUM FLUOROACETATE	6.1	–	I	–	0	E5	P002	–	IBC07	B1
2629	SODIUM FLUOROACETATE	6.1	–	I	–	0	E5	P002	–	IBC07	B1
2630	SELENATES or SELENITES	6.1	–	I	274	0	E5	P002	–	IBC07	B1
2642	FLUOROACETIC ACID	6.1	–	I	–	0	E5	P002	–	IBC07	B1
2643	METHYL BROMOACETATE	6.1	–	II	–	100 mL	E4	P001	–	IBC02	–
△ 2644	METHYL IODIDE	6.1	–	I	354	0	E0	P602	–	–	–
2645	PHENACYL BROMIDE	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
△ 2646	HEXACHLOROCYCLO-PENTADIENE	6.1	–	I	354	0	E0	P602	–	–	–
2647	MALONONITRILE	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
2648	1,2-DIBROMOBUTAN-3-ONE	6.1	–	II	–	100 mL	E4	P001	–	IBC02	–
2649	1,3-DICHLOROACETONE	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquids. Flashpoint: 52°C to 58°C c.c. Partially miscible with water.	2620
–	T2	TP1	F-E, S-D	Category A	–	Yellow liquid with a pleasant odour. Flashpoint: 44°C to 52°C c.c. Miscible with water. Reacts vigorously with oxidizing substances. Irritating to skin, eyes and mucous membranes.	2621
–	T7	TP1	F-E, S-D	Category A SW2	–	Colourless liquid with a pungent odour. Flashpoint: 31°C o.c. Miscible with water. Toxic by inhalation. Irritating to skin, eyes and mucous membranes.	2622
–	–	–	F-A, S-I	Category A	SG35	A porous solid, e.g. cellular urea–formaldehyde resin, compacted wood shavings, etc., impregnated with flammable liquid, usually white spirit or kerosene, and designed to burn in a controlled manner. When heated, evolves flammable vapours.	2623
–	T3	TP33	F-G, S-O	Category B SW5 H1	SG26	White powder or crystals. Reacts with water or steam, evolving hydrogen, a flammable gas. In contact with acids, evolves silane, a spontaneously flammable gas.	2624
–	–	–	F-A, S-Q	Category D	SGG1 SG36 SG38 SG49	Colourless liquid. May decompose, evolving chlorine and oxygen with toxic, corrosive and oxidizing effects. May form explosive mixtures with ammonium compounds, combustible material or powdered metals. Corrosive to most metals. Transport of CHLORIC ACID, AQUEOUS SOLUTION with more than 10% chloric acid is prohibited.	2626
–	T3	TP33	F-A, S-Q	Category A	SGG12 SG38 SG49 SG62	Solids. Solid mixtures with combustible material are readily ignited and may burn fiercely. Solid mixtures with ammonium compounds or cyanides may explode. If heated, may decompose, giving off toxic nitrous fumes. Harmful if swallowed. Transport of AMMONIUM NITRITES and mixtures of an inorganic nitrite with an ammonium salt is prohibited.	2627
–	T6	TP33	F-A, S-A	Category E	–	Solid. Soluble in water. Highly toxic if swallowed, by skin contact or by dust inhalation.	2628
–	T6	TP33	F-A, S-A	Category E	–	White powder. Soluble in water. Highly toxic if swallowed, by skin contact or by dust inhalation.	2629
–	T6	TP33	F-A, S-A	Category E	–	A wide range of toxic solids. Generally soluble in water. Highly toxic if swallowed, by skin contact or by dust inhalation.	2630
–	T6	TP33	F-A, S-A	Category E	SGG1 SG36 SG49	Colourless crystals. Melting point: 33°C. Soluble in water. Highly toxic if swallowed, by skin contact or by dust inhalation.	2642
–	T7	TP2	F-A, S-A	Category D SW2	–	Colourless to straw-coloured liquid. Slightly miscible with water. Causes tears. Toxic if swallowed, by skin contact or by inhalation.	2643
–	T20	TP2 TP13	F-A, S-A	Category D SW1 SW2 H2	SGG10	Colourless liquid. Boiling point: 42°C to 43°C. Slightly miscible with water. When heated, evolves toxic fumes. Highly toxic if swallowed, by skin contact or by inhalation. Has strong narcotic effects.	2644
–	T3	TP33	F-A, S-A	Category B SW2	–	White crystals changing to a greenish colour under the influence of light. Melting point: 50°C. Insoluble in water. Causes tears. Toxic if swallowed, by skin contact or by inhalation.	2645
–	T20	TP2 TP13	F-A, S-A	Category D SW2	SGG10	Pale yellow liquid with a pungent odour. Immiscible with water. Causes tears. Highly toxic if swallowed, by skin contact or by inhalation.	2646
–	T3	TP33	F-A, S-A	Category A SW1 H2	–	Colourless crystals. Melting point: 32°C. Soluble in water. When heated, evolves highly toxic cyanogen fumes. Toxic if swallowed, by skin contact or by dust inhalation.	2647
–	–	–	F-A, S-A	Category B SW2	–	Liquid. Immiscible with water. Toxic if swallowed, by skin contact or by inhalation. Causes tears.	2648
–	T3	TP33	F-A, S-A	Category B SW1 SW2 H2	–	Crystals. Melting point: 45°C. Soluble in water. Decomposes when heated, evolving highly toxic fumes. Toxic if swallowed, by skin contact or by dust inhalation. Causes tears.	2649

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2650	1,1-DICHLORO-1-NITRO-ETHANE	6.1	–	II	–	100 mL	E4	P001	–	IBC02	–
2651	4,4'-DIAMINODIPHENYL-METHANE	6.1	– P	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2653	BENZYL IODIDE	6.1	–	II	–	100 mL	E4	P001	–	IBC02	–
2655	POTASSIUM FLUOROSILICATE	6.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2656	QUINOLINE	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2657	SELENIUM DISULPHIDE	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
2659	SODIUM CHLOROACETATE	6.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2660	NITROTOLUIDINES (MONO)	6.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2661	HEXACHLOROACETONE	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2664	DIBROMOMETHANE	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2667	BUTYLTOLUENES	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
△ 2668	CHLOROACETONITRILE	6.1	3	I	354	0	E0	P602	–	–	–
2669	CHLOROCRESOLS SOLUTION	6.1	–	II	–	100 mL	E4	P001	–	IBC02	–
2669	CHLOROCRESOLS SOLUTION	6.1	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
2670	CYANURIC CHLORIDE	8	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
2671	AMINOPYRIDINES (o-, m-, p-)	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
2672	AMMONIA SOLUTION, relative density between 0.880 and 0.957 at 15°C in water, with more than 10% but not more than 35% ammonia	8	– P	III	–	5 L	E1	P001 LP01	–	IBC03	B11

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T7	TP2	F-A, S-A	Category A SW1 SW2 H2	SG17	Liquid. Immiscible with water. May react vigorously with oxidizing substances. Decomposes when heated, evolving highly toxic fumes (oxides of nitrogen). Toxic if swallowed, by skin contact or by inhalation.	2650
–	T1	TP33	F-A, S-A	Category A	–	Tan-coloured flakes or lumps. Slightly soluble in water. Decomposes when heated, evolving highly toxic fumes. Toxic if swallowed, by skin contact or by dust inhalation. May be carried in the molten state.	2651
–	T7	TP2	F-A, S-A	Category B SW1 SW2 H2	–	Colourless crystals. Melting point: 24°C. Insoluble in water. Toxic if swallowed, by skin contact or by dust inhalation. Causes tears.	2653
–	T1	TP33	F-A, S-A	Category A	SG35	Solids which react with acids, evolving hydrogen fluoride and silicon tetrafluoride, irritating and corrosive gases. Toxic if swallowed, by skin contact or by dust inhalation.	2655
–	T4	TP1	F-A, S-A	Category A SW1 H2	–	Colourless liquid with a pungent odour. Immiscible with water. When heated, evolves highly toxic fumes (of oxides of nitrogen). Toxic if swallowed, by skin contact or by inhalation.	2656
–	T3	TP33	F-A, S-A	Category A	–	Bright red-yellow crystals with a faint odour. Insoluble in water. Toxic if swallowed, by skin contact or by inhalation.	2657
–	T1	TP33	F-A, S-A	Category A	–	White powder. Soluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	2659
–	T1	TP33	F-A, S-A	Category A	–	Yellow to orange-red crystalline solids. Insoluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	2660
–	T4	TP1	F-A, S-A	Category B SW1 SW2 H2	–	Colourless to yellowish liquid. Slightly miscible with water. When heated, evolves extremely toxic fumes (phosgene). Causes tears. Toxic if swallowed, by skin contact or by inhalation.	2661
–	T4	TP1	F-A, S-A	Category A	SGG10	Clear, colourless liquid. Immiscible with water. Toxic if swallowed, by skin contact or by inhalation.	2664
–	T4	TP1	F-A, S-A	Category A	–	Colourless liquids. Immiscible with water. Toxic if swallowed, by skin contact or by inhalation.	2667
–	T20	TP2 TP13	F-A, S-A	Category D SW1 SW2 H2	SG35	Colourless flammable liquid with a pungent odour. Flashpoint: 56°C c.c. Immiscible with water. Decomposes when heated, evolving highly toxic fumes of cyanides. Reacts with steam and acids, evolving toxic and flammable vapours. Highly toxic if swallowed, by skin contact or by inhalation.	2668
–	T7	TP2	F-A, S-A	Category A SW1 H2	–	Solutions with a phenol-like odour. Slightly miscible with water. Decompose when heated, evolving extremely toxic fumes (phosgene). Toxic if swallowed, by skin contact or by inhalation.	2669
–	T7	TP2	F-A, S-A	Category A SW1 H2	–	See entry above.	2669
–	T3	TP33	F-A, S-B	Category A SW1 SW2 H2	SGG1 SG36 SG49	Colourless crystals with a pungent odour. Reacts with water, forming toxic and corrosive acids. Decomposes when heated, evolving toxic and corrosive gases. Causes burns to skin, eyes and mucous membranes.	2670
–	T3	TP33	F-A, S-A	Category B SW1 SW2 H2	SGG18 SG35	White powder or crystals. Melting points: 58°C to 64°C. Soluble in water. Reacts violently with acids. Toxic if swallowed, by skin contact or by dust inhalation.	2671
–	T7	TP2	F-A, S-B	Category A SW2 SW5	SGG18 SG35	Colourless liquid with a pungent odour. Corrosive to copper, nickel, zinc and tin and their alloys such as brass. Not significantly corrosive to iron and steel. Reacts violently with acids. Liquid and vapour cause burns to skin, eyes and mucous membranes.	2672

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2673	2-AMINO-4-CHLOROPHENOL	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
2674	SODIUM FLUOROSILICATE	6.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2676	STIBINE	2.3	2.1	–	–	0	E0	P200	–	–	–
2677	RUBIDIUM HYDROXIDE SOLUTION	8	–	II	–	1 L	E2	P001	–	IBC02	–
2677	RUBIDIUM HYDROXIDE SOLUTION	8	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
2678	RUBIDIUM HYDROXIDE	8	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
2679	LITHIUM HYDROXIDE SOLUTION	8	–	II	–	1 L	E2	P001	–	IBC02	–
2679	LITHIUM HYDROXIDE SOLUTION	8	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
2680	LITHIUM HYDROXIDE	8	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
2681	CAESIUM HYDROXIDE SOLUTION	8	–	II	–	1 L	E2	P001	–	IBC02	–
2681	CAESIUM HYDROXIDE SOLUTION	8	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
2682	CAESIUM HYDROXIDE	8	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
2683	AMMONIUM SULPHIDE SOLUTION	8	3/6.1	II	–	1 L	E2	P001	–	IBC01	–
2684	3-DIETHYLAMINO- PROPYLAMINE	3	8	III	–	5 L	E1	P001	–	IBC03	–
2685	N,N-DIETHYLETHYLENE- DIAMINE	8	3	II	–	1 L	E2	P001	–	IBC02	–
2686	2-DIETHYLAMINOETHANOL	8	3	II	–	1 L	E2	P001	–	IBC02	–
2687	DICYCLOHEXYLAMMONIUM NITRITE	4.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2688	1-BROMO-3-CHLOROPROPANE	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	–

Portable tanks and bulk containers			EmS (15) 5.4.3.4 7.8	Stowage and handling (16a) 7.1 7.3–7.7	Segregation (16b) 7.2–7.7	Properties and observations (17)	UN No. (18)
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
–	T3	TP33	F-A, S-A	Category A	–	Light brown crystals. Slightly soluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	2673
–	T1	TP33	F-A, S-A	Category A	SG35	Solids which react with acids, evolving hydrogen fluoride and silicon tetrafluoride, irritating and corrosive gases. Toxic if swallowed, by skin contact or by dust inhalation.	2674
–	–	–	F-D, S-U	Category D SW2	–	Flammable, toxic, colourless gas with a foul odour. Decomposes violently in the presence of water. Much heavier than air (4.3).	2676
–	T7	TP2	F-A, S-B	Category A	SGG18 SG22 SG35	Liquid. Reacts violently with acids. Reacts with ammonium salts, evolving ammonia gas. Corrosive to aluminium, zinc and tin. Causes burns to skin, eyes and mucous membranes.	2677
–	T4	TP1	F-A, S-B	Category A	SGG18 SG22 SG35	See entry above.	2677
–	T3	TP33	F-A, S-B	Category A	SGG18 SG22 SG35	Greyish-white solid, very hygroscopic. Reacts violently with acids. Reacts with ammonium salts, evolving ammonia gas. In the presence of moisture, corrosive to aluminium, zinc and tin. Causes burns to skin, eyes and mucous membranes.	2678
–	T7	TP2	F-A, S-B	Category A	SGG18 SG22 SG35	Colourless liquid. Corrosive to aluminium, zinc and tin. Causes burns to skin, eyes and mucous membranes.	2679
–	T4	TP2	F-A, S-B	Category A	SGG18 SG22 SG35	See entry above.	2679
–	T3	TP33	F-A, S-B	Category A	SGG18 SG35	Colourless crystals. Soluble in water. Reacts violently with acids. Causes burns to skin, eyes and mucous membranes.	2680
–	T7	TP2	F-A, S-B	Category A	SGG18 SG22 SG35	Colourless liquid. Reacts violently with acids. Reacts with ammonium salts, evolving ammonia gas. Corrosive to glass, aluminium, zinc and tin. Causes burns to skin, eyes and mucous membranes.	2681
–	T4	TP1	F-A, S-B	Category A	SGG18 SG22 SG35	See entry above.	2681
–	T3	TP33	F-A, S-B	Category A	SGG18 SG22 SG35	Colourless or yellowish hygroscopic crystals. Reacts violently with acids. Reacts with ammonium salts, evolving ammonia gas. In the presence of moisture, corrosive to glass, aluminium, zinc and tin. Causes burns to skin, eyes and mucous membranes.	2682
–	T7	TP2 TP13	F-E, S-C	Category B SW1 H2	SGG2 SGG18 SG35 SG68	Yellow liquid with a foul odour (of rotten eggs). When heated, evolves toxic and flammable vapours. Reacts violently with acids, evolving hydrogen sulphide, a toxic and flammable gas. Toxic if swallowed, by skin contact or by inhalation. Corrosive to skin, eyes and mucous membranes.	2683
–	T4	TP1	F-E, S-C	Category A	SG35	Colourless liquid with a fishy odour. Flashpoint: 59°C o.c. Miscible with water. Irritating to skin, eyes and mucous membranes.	2684
–	T7	TP2	F-E, S-C	Category A	SG35	Colourless, flammable liquid with a fishy odour. Flashpoint: 46°C o.c. Miscible with water. Harmful by skin contact. Irritating to eyes and mucous membranes.	2685
–	T7	TP2	F-E, S-C	Category A	SG35	Colourless liquid. Miscible with water. Reacts violently with oxidizing substances. Explosive limits: 1.8% to 28%. Flashpoint: 46°C to 60°C c.c. Causes burns to skin, eyes and mucous membranes.	2686
–	T1	TP33	F-A, S-G	Category A	SGG2	White powder. Insoluble in water. Harmful if swallowed.	2687
–	T4	TP1	F-A, S-A	Category A	SGG10	Colourless liquid. Immiscible with water. Decomposes when heated, evolving highly toxic fumes. Toxic if swallowed, by skin contact or by inhalation.	2688

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2689	GLYCEROL <i>alpha</i> -MONOCHLOROHYDRIN	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2690	<i>N,n</i> -BUTYLIMIDAZOLE	6.1	–	II	–	100 mL	E4	P001	–	IBC02	–
2691	PHOSPHORUS PENTABROMIDE	8	–	II	–	1 kg	E0	P002	–	IBC08	B4 B21
2692	BORON TRIBROMIDE	8	–	I	–	0	E0	P602	–	–	–
2693	BISULPHITES, AQUEOUS SOLUTION, N.O.S.	8	–	III	274	5 L	E1	P001 LP01	–	IBC03	–
2698	TETRAHYDROPHTHALIC ANHYDRIDES with more than 0.05% maleic anhydride	8	–	III	29 169 939 973	5 kg	E1	P002 LP02	PP14	IBC08	B3
2699	TRIFLUOROACETIC ACID	8	–	I	–	0	E0	P001	–	–	–
2705	1-PENTOL	8	–	II	–	1 L	E2	P001	–	IBC02	–
2707	DIMETHYLDIOXANES	3	–	II	–	1 L	E2	P001	–	IBC02	–
2707	DIMETHYLDIOXANES	3	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
2709	BUTYLBENZENES	3	– P	III	–	5 L	E1	P001 LP01	–	IBC03	–
2710	DIPROPYL KETONE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2713	ACRIDINE	6.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2714	ZINC RESINATE	4.1	–	III	–	5 kg	E1	P002	–	IBC06	–
2715	ALUMINIUM RESINATE	4.1	–	III	–	5 kg	E1	P002	–	IBC06	–
2716	1,4-BUTYNEDIOL	6.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T4	TP1	F-A, S-A	Category A	–	Colourless liquid. Miscible with water. Toxic if swallowed, by skin contact or by inhalation.	2689
–	T7	TP2	F-A, S-A	Category A	–	Colourless to amber mobile liquid. Miscible with water. Toxic if swallowed, by skin contact or by inhalation.	2690
–	T3	TP33	F-A, S-B	Category B SW1 SW2 H2	SGG1 SG36 SG37 SG49	Yellow hygroscopic crystals, evolving fumes in the air which are corrosive and heavier than air. Reacts violently with water, evolving hydrogen bromide, an irritating and corrosive gas apparent as white fumes. Reacts violently with ammonia, bases and many other substances and may cause fire and explosion. Decomposes when heated, evolving corrosive and toxic gases. In the presence of moisture, highly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	2691
–	T20	TP2 TP13	F-A, S-B	Category C SW1 H2	SGG1 SG36 SG49	Colourless fuming liquid. Reacts violently with water, evolving toxic and corrosive fumes. Decomposes when heated, evolving toxic fumes. In the presence of moisture, highly corrosive to most metals. Liquid and vapour cause severe burns to skin, eyes and mucous membranes.	2692
–	T7	TP1 TP28	F-A, S-B	Category A SW2	SG35	Liquid with a pungent odour. Reacts with acids, evolving sulphur dioxide, a toxic gas. Causes burns to skin, eyes and mucous membranes.	2693
–	T1	TP33	F-A, S-B	Category A	SGG1 SG36 SG49	White crystalline powders. React with water, evolving heat and forming tetrahydrophthalic acid. Cause burns to skin, eyes and mucous membranes. When heated, evolve acrid fumes which are irritating to skin, eyes and mucous membranes.	2698
–	T10	TP2	F-A, S-B	Category B SW1 SW2 H2	SGG1 SG36 SG49	Colourless, fuming, hygroscopic liquid with a pungent odour. Miscible with water. When heated to decomposition or in contact with acids, evolves toxic gases. In the presence of moisture, highly corrosive to most metals. Vapours are highly irritating to skin, eyes and mucous membranes. Liquid causes severe burns to skin, eyes and mucous membranes.	2699
–	T7	TP2	F-A, S-B	Category B	SG20 SG21	Colourless liquid with a perceptible odour. May react in contact with acids and alkalis. Causes burns to skin, eyes and mucous membranes.	2705
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquids with a pungent odour. Partially miscible with water. React vigorously with oxidizing substances. Harmful by inhalation. Irritating to skin, eyes and mucous membranes.	2707
–	T2	TP1	F-E, S-D	Category A	–	See entry above.	2707
–	T2	TP2	F-E, S-D	Category A	–	Colourless liquids with an unpleasant odour. Flashpoint: 34°C to 60°C c.c. Explosive limits: 0.7% to 6.9%. Immiscible with water. Irritating to skin, eyes and mucous membranes.	2709
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid. Flashpoint: 49°C c.c. Immiscible with water.	2710
–	T1	TP33	F-A, S-A	Category A	–	Small colourless to yellowish crystals or needles. Sublimes at 100°C. Practically insoluble in water. Toxic if swallowed, by skin contact or by inhalation.	2713
–	T1	TP33	F-A, S-I	Category A	SGG7	Powder or clear amber lumps. Insoluble in water. Liable to spontaneous heating. Irritating to skin and mucous membranes.	2714
–	T1	TP33	F-A, S-I	Category A	–	Cream to brown coloured mass. Insoluble in water. Liable to spontaneous heating. Irritating to skin and mucous membranes.	2715
–	T1	TP33	F-A, S-A	Category A	SG35 SG36 SG55	White crystals. Melting point: 58°C. Soluble in water. Forms explosive mixtures with mercury salts, strong acids, alkaline compounds and halides. Toxic if swallowed, by skin contact or by inhalation.	2716

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2717	CAMPHOR, synthetic	4.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2719	BARIUM BROMATE	5.1	6.1	II	–	1 kg	E2	P002	–	IBC08	B4 B21
2720	CHROMIUM NITRATE	5.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2721	COPPER CHLORATE	5.1	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
2722	LITHIUM NITRATE	5.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2723	MAGNESIUM CHLORATE	5.1	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
2724	MANGANESE NITRATE	5.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2725	NICKEL NITRATE	5.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2726	NICKEL NITRITE	5.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2727	THALLIUM NITRATE	6.1	5.1 P	II	–	500 g	E4	P002	–	IBC06	B21
2728	ZIRCONIUM NITRATE	5.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2729	HEXACHLOROBENZENE	6.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2730	NITROANISOLES, LIQUID	6.1	–	III	279	5 L	E1	P001 LP01	–	IBC03	–
2732	NITROBROMOBENZENES, LIQUID	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	–

Portable tanks and bulk containers			EmS (15) 5.4.3.4 7.8	Stowage and handling (16a) 7.1 7.3–7.7	Segregation (16b) 7.2–7.7	Properties and observations (17)	UN No. (18)
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
–	T1	TP33	F-A, S-I	Category A	–	Colourless or white crystals, granules or easily broken masses with a penetrating, pungent and aromatic odour. Slightly soluble in water. When heated, evolves flammable and explosive vapours. Harmful if swallowed.	2717
–	T3	TP33	F-H, S-Q	Category A	SGG3 SG38 SG49	White crystals or powder. Slightly soluble in water. Reacts vigorously with sulphuric acid. Reacts fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion. Toxic if swallowed, by skin contact or by dust inhalation.	2719
–	T1	TP33	F-A, S-Q	Category A	–	Purple crystals. Mixtures with combustible material are readily ignited and may burn fiercely. Solutions in water are slightly corrosive. Harmful if swallowed.	2720
–	T3	TP33	F-H, S-Q	Category A	SGG4 SG38 SG49	Blue-green deliquescent crystals or powder. Soluble in water. Reacts vigorously with sulphuric acid. Reacts fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion.	2721
–	T1	TP33	F-A, S-Q	Category A	–	Colourless deliquescent crystals. Soluble in water. Mixtures with combustible material are readily ignited and burn fiercely. Harmful if swallowed.	2722
–	T3	TP33	F-H, S-Q	Category A	SGG4 SG38 SG49	White deliquescent crystals or powder. Soluble in water. Melting point: 35°C. Reacts vigorously with sulphuric acid. Reacts fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion. The cargoes should be protected from moisture prior to and after loading. If weather is inclement, hatches should be closed.	2723
–	T1	TP33	F-A, S-Q	Category A	–	Pale pink deliquescent crystals. Soluble in water. Melting point between 26°C and 35°C. Mixtures with combustible material are readily ignited and may burn fiercely. Solutions in water are slightly corrosive. Harmful if swallowed.	2724
–	T1	TP33	F-A, S-Q	Category A	–	Green deliquescent crystals. Soluble in water. Melting point: 55°C. Mixtures with combustible material are readily ignited and may burn fiercely. Solutions in water are slightly corrosive. Harmful if swallowed.	2725
–	T1	TP33	F-A, S-Q	Category A	SGG12 SG38 SG49	Reddish-yellow crystals. Decomposes if heated, giving off toxic nitrous fumes. Mixtures with combustible material are readily ignited and may burn fiercely. Mixtures with ammonium compounds or cyanides may explode. Harmful if swallowed.	2726
–	T3	TP33	F-A, S-Q	Category A	–	Colourless crystals. Soluble in water. Mixtures with combustible material are readily ignited and may burn fiercely. Toxic if swallowed, by skin contact or by dust inhalation.	2727
–	T1	TP33	F-A, S-Q	Category A	–	White crystals, flakes or powder. Soluble in water. Solutions in water are slightly corrosive. Harmful if swallowed.	2728
–	T1	TP33	F-A, S-A	Category A	–	White needle-like crystals. Insoluble in water. Decomposes when heated, evolving highly toxic fumes. Toxic if swallowed, by skin contact or by dust inhalation.	2729
–	T4	TP1	F-A, S-A	Category A	–	Light reddish or amber liquid. Immiscible with water. Toxic if swallowed, by skin contact or by inhalation.	2730
–	T4	TP1	F-A, S-A	Category A	–	Colourless to pale yellow liquids. Melting point of 1-BROMO-3-NITROBENZENE: 17°C. Immiscible with water. Toxic if swallowed, by skin contact or by inhalation.	2732

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2733	AMINES, FLAMMABLE, CORROSIVE, N.O.S. or POLYAMINES, FLAMMABLE, CORROSIVE, N.O.S.	3	8	I	274	0	E0	P001	–	–	–
2733	AMINES, FLAMMABLE, CORROSIVE, N.O.S. or POLYAMINES, FLAMMABLE, CORROSIVE, N.O.S.	3	8	II	274	1 L	E2	P001	–	IBC02	–
2733	AMINES, FLAMMABLE, CORROSIVE, N.O.S. or POLYAMINES, FLAMMABLE, CORROSIVE, N.O.S.	3	8	III	223 274	5 L	E1	P001	–	IBC03	–
2734	AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S.	8	3	I	274	0	E0	P001	–	–	–
2734	AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S.	8	3	II	274	1 L	E2	P001	–	IBC02	–
2735	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S.	8	–	I	274	0	E0	P001	–	–	–
2735	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S.	8	–	II	274	1 L	E2	P001	–	IBC02	–
2735	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S.	8	–	III	223 274	5 L	E1	P001 LP01	–	IBC03	–
2738	N-BUTYLANILINE	6.1	–	II	–	100 mL	E4	P001	–	IBC02	–
2739	BUTYRIC ANHYDRIDE	8	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2740	n-PROPYL CHLOROFORMATE	6.1	3/8	I	–	0	E0	P602	–	–	–
2741	BARIUM HYPOCHLORITE with more than 22% available chlorine	5.1	6.1	II	–	1 kg	E2	P002	–	IBC08	B4 B21

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T14	TP1 TP27	F-E, S-C	Category D SW2	SGG18 SG35	Colourless to yellowish liquids with an unpleasant odour. Some are very volatile. Miscible with water. Corrosive to most metals, especially to copper and its alloys. When involved in a fire, evolve toxic gases. React violently with acids. Harmful by inhalation. Cause burns to skin, eyes and mucous membranes.	2733
–	T11	TP1 TP27	F-E, S-C	Category B SW2	SGG18 SG35	See entry above.	2733
–	T7	TP1 TP28	F-E, S-C	Category A SW2	SGG18 SG35	See entry above.	2733
–	T14	TP2 TP27	F-E, S-C	Category A	SGG18 SG35	Colourless to yellowish flammable liquids or solutions with a pungent odour. Miscible with water. When involved in a fire, evolve toxic gases. Corrosive to most metals, especially to copper and its alloys. React violently with acids. Cause burns to skin, eyes and mucous membranes.	2734
–	T11	TP2 TP27	F-E, S-C	Category A	SGG18 SG35	See entry above.	2734
–	T14	TP2 TP27	F-A, S-B	Category A	SGG18 SG35	Colourless to yellowish liquids or solutions with a pungent odour. Miscible with or soluble in water. When involved in a fire, evolve toxic gases. Corrosive to most metals, especially to copper and its alloys. React violently with acids. Cause burns to skin, eyes and mucous membranes.	2735
–	T11	TP1 TP27	F-A, S-B	Category A	SGG18 SG35	See entry above.	2735
–	T7	TP1 TP28	F-A, S-B	Category A	SGG18 SG35	See entry above.	2735
–	T7	TP2	F-A, S-A	Category A	SG17	Amber liquid with a perceptible odour. Immiscible with water. May react vigorously with oxidizing substances. Toxic if swallowed, by skin contact or by inhalation.	2738
–	T4	TP1	F-A, S-B	Category A	SGG1 SG36 SG49	Colourless liquid. Decomposes in water to form butyric acid.	2739
–	T20	TP2 TP13	F-E, S-C	Category B SW2	SGG1 SG5 SG8 SG36 SG49	Colourless flammable liquid. Flashpoint: 28°C c.c. Decomposed by water, generating propyl alcohol. Highly toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	2740
–	T3	TP33	F-H, S-Q	Category B	SGG8 SG35 SG38 SG49 SG53 SG60	White powder with pungent odour. Reacts with acids, evolving chlorine, an irritating, corrosive and toxic gas. Reacts fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion. Toxic if swallowed, by skin contact or by dust inhalation. Dust irritates mucous membranes. Contact with eyes will cause serious injury to the cornea (blindness) if not treated immediately by using copious amounts of water followed by medical attention.	2741

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2742	CHLOROFORMATES, TOXIC, CORROSIVE, FLAMMABLE, N.O.S.	6.1	3/8	II	274	100 mL	E4	P001	–	IBC01	–
2743	<i>n</i> -BUTYL CHLOROFORMATE	6.1	3/8	II	–	100 mL	E0	P001	–	–	–
2744	CYCLOBUTYL CHLOROFORMATE	6.1	3/8	II	–	100 mL	E4	P001	–	IBC01	–
2745	CHLOROMETHYL CHLOROFORMATE	6.1	8	II	–	100 mL	E4	P001	–	IBC02	–
2746	PHENYL CHLOROFORMATE	6.1	8	II	–	100 mL	E4	P001	–	IBC02	–
2747	<i>tert</i> -BUTYLCYCLOHEXYL CHLOROFORMATE	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2748	2-ETHYLHEXYL CHLOROFORMATE	6.1	8	II	–	100 mL	E4	P001	–	IBC02	–
2749	TETRAMETHYLSILANE	3	–	I	–	0	E0	P001	–	–	–
2750	1,3-DICHLOROPROPANOL-2	6.1	–	II	–	100 mL	E4	P001	–	IBC02	–
2751	DIETHYLTHIOPHOSPHORYL CHLORIDE	8	–	II	–	1 L	E2	P001	–	IBC02	–
2752	1,2-EPOXY-3-ETHOXYPROPANE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2753	<i>N</i> -ETHYLBENZYL TOLUIDINES, LIQUID	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
△ 2754	<i>N</i> -ETHYL TOLUIDINES	6.1	–	II	–	100 mL	E4	P001	–	IBC02	–
2757	CARBAMATE PESTICIDE, SOLID, TOXIC	6.1	–	I	61 274	0	E5	P002	–	IBC07	B1
2757	CARBAMATE PESTICIDE, SOLID, TOXIC	6.1	–	II	61 274	500 g	E4	P002	–	IBC08	B4 B21

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-E, S-C	Category A SW1 SW2 H1 H2	SGG1 SG5 SG8 SG36 SG49	A wide range of colourless to yellowish flammable liquids. React and decompose with water or heat, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. Flashpoint: cyclohexyl chloroformate: 53°C c.c. Toxic if swallowed, by skin contact or by inhalation. Cause burns to skin, eyes and mucous membranes.	2742
–	T20	TP2 TP13	F-E, S-C	Category A SW1 SW2 H1 H2	SGG1 SG5 SG8 SG36 SG49	A wide range of colourless to yellowish flammable liquids. React and decompose with water or heat, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. Flashpoint: 32°C c.c. to 39°C c.c. Toxic if swallowed, by skin contact or by inhalation. Cause burns to skin, eyes and mucous membranes.	2743
–	T7	TP2 TP13	F-E, S-C	Category A SW1 SW2 H1 H2	SGG1 SG5 SG8 SG36 SG49	A wide range of colourless to yellowish flammable liquids. React and decompose with water or heat, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. Flashpoint: 38°C c.c. Toxic if swallowed, by skin contact or by inhalation. Cause burns to skin, eyes and mucous membranes.	2744
–	T7	TP2 TP13	F-A, S-B	Category A SW1 SW2 H1 H2	SGG1 SG36 SG49	A wide range of colourless to yellowish liquids. React and decompose with water or heat, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. Toxic if swallowed, by skin contact or by inhalation. Cause burns to skin, eyes and mucous membranes.	2745
–	T7	TP2 TP13	F-A, S-B	Category A SW1 SW2 H1 H2	SGG1 SG36 SG49	A wide range of colourless to yellowish liquids. React and decompose with water or heat, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. Toxic if swallowed, by skin contact or by inhalation. Cause burns to skin, eyes and mucous membranes.	2746
–	T4	TP1	F-A, S-A	Category A SW1 H1 H2	–	Colourless to yellowish liquid. Reacts with water or decomposes if heated, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. Toxic if swallowed, by skin contact or by inhalation.	2747
–	T7	TP2 TP13	F-A, S-B	Category A SW1 SW2 H1 H2	SGG1 SG36 SG49	A wide range of colourless to yellowish liquids. React and decompose with water or heat, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. Toxic if swallowed, by skin contact or by inhalation. Cause burns to skin, eyes and mucous membranes.	2748
–	T14	TP2	F-E, <u>S-D</u>	Category D	–	Colourless, volatile liquid. Flashpoint: below –18°C c.c. Boiling point: 27°C. Immiscible with water. Harmful if swallowed or by inhalation. Irritating to skin, eyes and mucous membranes.	2749
–	T7	TP2	F-A, S-A	Category A SW1 SW2 H2	–	Colourless, slightly viscous liquid with a chloroform-like odour. Immiscible with water. Decomposes when heated, evolving extremely toxic fumes (phosgene). Toxic if swallowed, by skin contact or by inhalation.	2750
–	T7	TP2	F-A, S-B	Category D SW1 SW2 H2	SGG1 SG36 SG49	Colourless liquid with a perceptible odour. Reacts slowly with water, forming hydrochloric acid. When involved in a fire, evolves toxic gases (hydrogen chloride and sulphur dioxide). Vapour highly irritating to eyes and mucous membranes. Liquid causes burns to skin, eyes and mucous membranes.	2751
–	T2	TP1	F-E, S-D	Category A	–	Immiscible with water. Flashpoint: 47°C c.c. Irritating to skin, eyes and mucous membranes.	2752
–	T7	TP1	F-A, S-A	Category A	–	Liquids with a strong odour. Immiscible with water. Toxic if swallowed, by skin contact or by inhalation.	2753
–	T7	TP2	F-A, S-A	Category A	–	Colourless to light amber liquids. Immiscible with water. Toxic if swallowed, by skin contact or by inhalation.	2754
–	T6	TP33	F-A, S-A	Category A SW2	–	Solid pesticides present a very wide range of toxic hazard. Toxic if swallowed, by skin contact or by inhalation.	2757
–	T3	TP33	F-A, S-A	Category A SW2	–	See entry above.	2757

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2757	CARBAMATE PESTICIDE, SOLID, TOXIC	6.1	–	III	61 223 274	5 kg	E1	P002 LP02	–	IBC08	B3
2758	CARBAMATE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	3	6.1	I	61 274	0	E0	P001	–	–	–
2758	CARBAMATE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	3	6.1	II	61 274	1 L	E2	P001	–	IBC02	–
2759	ARSENICAL PESTICIDE, SOLID, TOXIC	6.1	–	I	61 274	0	E5	P002	–	IBC07	B1
2759	ARSENICAL PESTICIDE, SOLID, TOXIC	6.1	–	II	61 274	500 g	E4	P002	–	IBC08	B4 B21
2759	ARSENICAL PESTICIDE, SOLID, TOXIC	6.1	–	III	61 223 274	5 kg	E1	P002 LP02	–	IBC08	B3
2760	ARSENICAL PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	3	6.1	I	61 274	0	E0	P001	–	–	–
2760	ARSENICAL PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	3	6.1	II	61 274	1 L	E2	P001	–	IBC02	–
2761	ORGANOCHLORINE PESTICIDE, SOLID, TOXIC	6.1	–	I	61 274	0	E5	P002	–	IBC07	B1
2761	ORGANOCHLORINE PESTICIDE, SOLID, TOXIC	6.1	–	II	61 274	500 g	E4	P002	–	IBC08	B4 B21
2761	ORGANOCHLORINE PESTICIDE, SOLID, TOXIC	6.1	–	III	61 223 274	5 kg	E1	P002 LP02	–	IBC08	B3
2762	ORGANOCHLORINE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	3	6.1	I	61 274	0	E0	P001	–	–	–
2762	ORGANOCHLORINE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	3	6.1	II	61 274	1 L	E2	P001	–	IBC02	–
2763	TRIAZINE PESTICIDE, SOLID, TOXIC	6.1	–	I	61 274	0	E5	P002	–	IBC07	B1
2763	TRIAZINE PESTICIDE, SOLID, TOXIC	6.1	–	II	61 274	500 g	E4	P002	–	IBC08	B4 B21
2763	TRIAZINE PESTICIDE, SOLID, TOXIC	6.1	–	III	61 223 274	5 kg	E1	P002	–	IBC08	B3
2764	TRIAZINE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	3	6.1	I	61 274	0	E0	P001	–	–	–
2764	TRIAZINE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	3	6.1	II	61 274	1 L	E2	P001	–	IBC02	–
2771	THIOCARBAMATE PESTICIDE, SOLID, TOXIC	6.1	–	I	61 274	0	E5	P002	–	IBC07	B1
2771	THIOCARBAMATE PESTICIDE, SOLID, TOXIC	6.1	–	II	61 274	500 g	E4	P002	–	IBC08	B4 B21
2771	THIOCARBAMATE PESTICIDE, SOLID, TOXIC	6.1	–	III	61 223 274	5 kg	E1	P002 LP02	–	IBC08	B3

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T1	TP33	F-A, S-A	Category A SW2	–	Solid pesticides present a very wide range of toxic hazard. Toxic if swallowed, by skin contact or by inhalation.	2757
–	T14	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	Pesticides frequently contain petroleum or coal tar distillates, or other flammable liquids. Miscibility with water depends upon the composition. Toxic if swallowed, by skin contact or by inhalation.	2758
–	T11	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	See entry above.	2758
–	T6	TP33	F-A, S-A	Category A SW2	–	Solid pesticides present a very wide range of toxic hazard. Toxic if swallowed, by skin contact or by inhalation.	2759
–	T3	TP33	F-A, S-A	Category A SW2	–	See entry above.	2759
–	T1	TP33	F-A, S-A	Category A SW2	–	See entry above.	2759
–	T14	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	Pesticides frequently contain petroleum or coal tar distillates, or other flammable liquids. Miscibility with water depends upon the composition. Toxic if swallowed, by skin contact or by inhalation.	2760
–	T11	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	See entry above.	2760
–	T6	TP33	F-A, S-A	Category A SW2	–	Solid pesticides present a very wide range of toxic hazard. Toxic if swallowed, by skin contact or by inhalation.	2761
–	T3	TP33	F-A, S-A	Category A SW2	–	See entry above.	2761
–	T1	TP33	F-A, S-A	Category A SW2	–	See entry above.	2761
–	T14	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	Pesticides frequently contain petroleum or coal tar distillates, or other flammable liquids. Miscibility with water depends upon the composition. Toxic if swallowed, by skin contact or by inhalation.	2762
–	T11	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	See entry above.	2762
–	T6	TP33	F-A, S-A	Category A SW2	–	Solid pesticides present a very wide range of toxic hazard. Toxic if swallowed, by skin contact or by inhalation.	2763
–	T3	TP33	F-A, S-A	Category A SW2	–	See entry above.	2763
–	T3	TP33	F-A, S-A	Category A SW2	–	See entry above.	2763
–	T14	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	Pesticides frequently contain petroleum or coal tar distillates, or other flammable liquids. Miscibility with water depends upon the composition. Toxic if swallowed, by skin contact or by inhalation.	2764
–	T11	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	See entry above.	2764
–	T6	TP33	F-A, S-A	Category A SW2	–	Solid pesticides present a very wide range of toxic hazard. Toxic if swallowed, by skin contact or by inhalation.	2771
–	T3	TP33	F-A, S-A	Category A SW2	–	See entry above.	2771
–	T1	TP33	F-A, S-A	Category A SW2	–	See entry above.	2771

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2772	THIOCARBAMATE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	3	6.1	I	61 274	0	E0	P001	–	–	–
2772	THIOCARBAMATE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	3	6.1	II	61 274	1 L	E2	P001	–	IBC02	–
2775	COPPER BASED PESTICIDE, SOLID, TOXIC	6.1	–	I	61 274	0	E5	P002	–	IBC07	B1
2775	COPPER BASED PESTICIDE, SOLID, TOXIC	6.1	–	II	61 274	500 g	E4	P002	–	IBC08	B4 B21
2775	COPPER BASED PESTICIDE, SOLID, TOXIC	6.1	–	III	61 223 274	5 kg	E1	P002 LP02	–	IBC08	B3
2776	COPPER BASED PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	3	6.1	I	61 274	0	E0	P001	–	–	–
2776	COPPER BASED PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	3	6.1	II	61 274	1 L	E2	P001	–	IBC02	–
2777	MERCURY BASED PESTICIDE, SOLID, TOXIC	6.1	– P	I	61 274	0	E5	P002	–	IBC07	B1
2777	MERCURY BASED PESTICIDE, SOLID, TOXIC	6.1	– P	II	61 274	500 g	E4	P002	–	IBC08	B4 B21
2777	MERCURY BASED PESTICIDE, SOLID, TOXIC	6.1	– P	III	61 223 274	5 kg	E1	P002 LP02	–	IBC08	B3
2778	MERCURY BASED PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	3	6.1 P	I	61 274	0	E0	P001	–	–	–
2778	MERCURY BASED PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	3	6.1 P	II	61 274	1 L	E2	P001	–	IBC02	–
2779	SUBSTITUTED NITROPHENOL PESTICIDE, SOLID, TOXIC	6.1	–	I	61 274	0	E5	P002	–	IBC07	B1
2779	SUBSTITUTED NITROPHENOL PESTICIDE, SOLID, TOXIC	6.1	–	II	61 274	500 g	E4	P002	–	IBC08	B4 B21
2779	SUBSTITUTED NITROPHENOL PESTICIDE, SOLID, TOXIC	6.1	–	III	61 223 274	5 kg	E1	P002 LP02	–	IBC08	B3
2780	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	3	6.1	I	61 274	0	E0	P001	–	–	–
2780	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	3	6.1	II	61 274	1 L	E2	P001	–	IBC02	–
2781	BIPYRIDILIUM PESTICIDE, SOLID, TOXIC	6.1	–	I	61 274	0	E5	P002	–	IBC07	B1
2781	BIPYRIDILIUM PESTICIDE, SOLID, TOXIC	6.1	–	II	61 274	500 g	E4	P002	–	IBC08	B4 B21
2781	BIPYRIDILIUM PESTICIDE, SOLID, TOXIC	6.1	–	III	61 223 274	5 kg	E1	P002 LP02	–	IBC08	B3

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T14	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	Pesticides frequently contain petroleum or coal tar distillates, or other flammable liquids. Miscibility with water depends upon the composition. Toxic if swallowed, by skin contact or by inhalation.	2772
–	T11	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	See entry above.	2772
–	T6	TP33	F-A, S-A	Category A SW2	–	Solid pesticides present a very wide range of toxic hazard. Toxic if swallowed, by skin contact or by inhalation.	2775
–	T3	TP33	F-A, S-A	Category A SW2	–	See entry above.	2775
–	T1	TP33	F-A, S-A	Category A SW2	–	See entry above.	2775
–	T14	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	Pesticides frequently contain petroleum or coal tar distillates, or other flammable liquids. Miscibility with water depends upon the composition. Toxic if swallowed, by skin contact or by inhalation.	2776
–	T11	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	See entry above.	2776
–	T6	TP33	F-A, <u>S-A</u>	Category A SW2	SGG7 SGG11	Solid pesticides present a very wide range of toxic hazard. Toxic if swallowed, by skin contact or by inhalation.	2777
–	T3	TP33	F-A, <u>S-A</u>	Category A SW2	SGG7 SGG11	See entry above.	2777
–	T1	TP33	F-A, <u>S-A</u>	Category A SW2	SGG7 SGG11	See entry above.	2777
–	T14	TP2 TP13 TP27	F-E, <u>S-D</u>	Category B SW2	SGG7 SGG11	Pesticides frequently contain petroleum or coal tar distillates, or other flammable liquids. Miscibility with water depends upon the composition. Toxic if swallowed, by skin contact or by inhalation.	2778
–	T11	TP2 TP13 TP27	F-E, <u>S-D</u>	Category B SW2	SGG7 SGG11	See entry above.	2778
–	T6	TP33	F-A, S-A	Category A SW2	–	Solid pesticides present a very wide range of toxic hazard. Toxic if swallowed, by skin contact or by inhalation.	2779
–	T3	TP33	F-A, S-A	Category A SW2	–	See entry above.	2779
–	T1	TP33	F-A, S-A	Category A SW2	–	See entry above.	2779
–	T14	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	Pesticides frequently contain petroleum or coal tar distillates, or other flammable liquids. Miscibility with water depends upon the composition. Toxic if swallowed, by skin contact or by inhalation.	2780
–	T11	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	See entry above.	2780
–	T6	TP33	F-A, S-A	Category A SW2	–	Solid pesticides present a very wide range of toxic hazard. Toxic if swallowed, by skin contact or by inhalation.	2781
–	T3	TP33	F-A, S-A	Category A SW2	–	See entry above.	2781
–	T1	TP33	F-A, S-A	Category A SW2	–	See entry above.	2781

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2782	BIPYRIDILIUM PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	3	6.1	I	61 274	0	E0	P001	–	–	–
2782	BIPYRIDILIUM PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	3	6.1	II	61 274	1 L	E2	P001	–	IBC02	–
2783	ORGANOPHOSPHORUS PESTICIDE, SOLID, TOXIC	6.1	–	I	61 274	0	E5	P002	–	IBC07	B1
2783	ORGANOPHOSPHORUS PESTICIDE, SOLID, TOXIC	6.1	–	II	61 274	500 g	E4	P002	–	IBC08	B4 B21
2783	ORGANOPHOSPHORUS PESTICIDE, SOLID, TOXIC	6.1	–	III	61 223 274	5 kg	E1	P002 LP02	–	IBC08	B3
2784	ORGANOPHOSPHORUS PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	3	6.1	I	61 274	0	E0	P001	–	–	–
2784	ORGANOPHOSPHORUS PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	3	6.1	II	61 274	1 L	E2	P001	–	IBC02	–
2785	4-THIAPENTANAL	6.1	–	III	–	5 L	E1	P001 LP01	PP31	IBC03	–
2786	ORGANOTIN PESTICIDE, SOLID, TOXIC	6.1	– P	I	61 274	0	E5	P002	–	IBC07	B1
2786	ORGANOTIN PESTICIDE, SOLID, TOXIC	6.1	– P	II	61 274	500 g	E4	P002	–	IBC08	B4 B21
2786	ORGANOTIN PESTICIDE, SOLID, TOXIC	6.1	– P	III	61 223 274	5 kg	E1	P002 LP02	–	IBC08	B3
2787	ORGANOTIN PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	3	6.1 P	I	61 274	0	E0	P001	–	–	–
2787	ORGANOTIN PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	3	6.1 P	II	61 274	1 L	E2	P001	–	IBC02	–
2788	ORGANOTIN COMPOUND, LIQUID, N.O.S.	6.1	– P	I	43 274	0	E5	P001	–	–	–
2788	ORGANOTIN COMPOUND, LIQUID, N.O.S.	6.1	– P	II	43 274	100 mL	E4	P001	–	IBC02	–
2788	ORGANOTIN COMPOUND, LIQUID, N.O.S.	6.1	– P	III	43 223 274	5 L	E1	P001 LP01	–	IBC03	–
2789	ACETIC ACID, GLACIAL or ACETIC ACID SOLUTION, more than 80% acid, by mass	8	3	II	–	1 L	E2	P001	–	IBC02	–
2790	ACETIC ACID SOLUTION, not less than 50% but not more than 80% acid, by mass	8	–	II	–	1 L	E2	P001	–	IBC02	–
2790	ACETIC ACID SOLUTION, more than 10% and less than 50% acid, by mass	8	–	III	–	5 L	E1	P001 LP01	–	IBC03	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
Tank instructions	Provisions						
(12)	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T14	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	Pesticides frequently contain petroleum or coal tar distillates, or other flammable liquids. Miscibility with water depends upon the composition. Toxic if swallowed, by skin contact or by inhalation.	2782
–	T11	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	See entry above.	2782
–	T6	TP33	F-A, S-A	Category A SW2	–	Solid pesticides present a very wide range of toxic hazard. Toxic if swallowed, by skin contact or by inhalation.	2783
–	T3	TP33	F-A, S-A	Category A SW2	–	See entry above.	2783
–	T1	TP33	F-A, S-A	Category A SW2	–	See entry above.	2783
–	T14	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	Pesticides frequently contain petroleum or coal tar distillates, or other flammable liquids. Miscibility with water depends upon the composition. Toxic if swallowed, by skin contact or by inhalation.	2784
–	T11	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	See entry above.	2784
–	T4	TP1	F-A, S-A	Category D SW1	SG20 SG21	Colourless liquid with an extremely foul and persistent odour. Miscible with water. Decomposes rapidly in contact with acids and bases. Toxic if swallowed, by skin contact or by inhalation.	2785
–	T6	TP33	F-A, <u>S-A</u>	Category A SW2	–	Solid pesticides present a very wide range of toxic hazard. Toxic if swallowed, by skin contact or by inhalation.	2786
–	T3	TP33	F-A, <u>S-A</u>	Category A SW2	–	See entry above.	2786
–	T1	TP33	F-A, <u>S-A</u>	Category A SW2	–	See entry above.	2786
–	T14	TP2 TP13 TP27	F-E, <u>S-D</u>	Category B SW2	–	Pesticides frequently contain petroleum or coal tar distillates, or other flammable liquids. Miscibility with water depends upon the composition. Toxic if swallowed, by skin contact or by inhalation.	2787
–	T11	TP2 TP13 TP27	F-E, <u>S-D</u>	Category B SW2	–	See entry above.	2787
–	T14	TP2 TP13 TP27	F-A, <u>S-A</u>	Category A SW2	–	A wide variety of toxic liquids. Toxic if swallowed, by skin contact or by inhalation.	2788
–	T11	TP2 TP13 TP27	F-A, <u>S-A</u>	Category A SW2	–	See entry above.	2788
–	T7	TP2 TP28	F-A, <u>S-A</u>	Category A SW2	–	See entry above.	2788
–	T7	TP2	F-E, S-C	Category A	SGG1 SG36 SG49	Colourless flammable liquid with a pungent odour. When pure, crystallizes below 16°C. Flashpoint: 40°C c.c. (pure product), 60°C c.c. (80% solution). Explosive limits: 4% to 17%. Miscible with water. Corrosive to lead and most other metals. Corrosive to skin, eyes and mucous membranes.	2789
–	T7	TP2	F-A, S-B	Category A	SGG1 SG36 SG49	Colourless liquid with a pungent odour. Miscible with water. Corrosive to lead and most other metals. Corrosive to skin, eyes and mucous membranes.	2790
–	T4	TP1	F-A, S-B	Category A	SGG1 SG36 SG49	See entry above.	2790

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2793	FERROUS METAL BORINGS, SHAVINGS, TURNINGS or CUTTINGS in a form liable to self-heating	4.2	–	III	223 931	0	E1	P003 LP02	PP20 PP100 L3	IBC08	B4 B6
2794	BATTERIES, WET, FILLED WITH ACID, electric storage	8	–	–	295	1 L	E0	P801	–	–	–
2795	BATTERIES, WET, FILLED WITH ALKALI, electric storage	8	–	–	295	1 L	E0	P801	–	–	–
2796	SULPHURIC ACID with not more than 51% acid or BATTERY FLUID, ACID	8	–	II	–	1 L	E2	P001	–	IBC02	B20
2797	BATTERY FLUID, ALKALI	8	–	II	–	1 L	E2	P001	–	IBC02	–
2798	PHENYLPHOSPHORUS DICHLORIDE	8	–	II	–	1 L	E0	P001	–	IBC02	–
2799	PHENYLPHOSPHORUS THIODICHLORIDE	8	–	II	–	1 L	E0	P001	–	IBC02	–
2800	BATTERIES, WET, NON-SPILLABLE, electric storage	8	–	–	238	1 L	E0	P003	PP16	–	–
2801	DYE, LIQUID, CORROSIVE, N.O.S. or DYE INTERMEDIATE, LIQUID, CORROSIVE, N.O.S.	8	–	I	274	0	E0	P001	–	–	–
2801	DYE, LIQUID, CORROSIVE, N.O.S. or DYE INTERMEDIATE, LIQUID, CORROSIVE, N.O.S.	8	–	II	274	1 L	E2	P001	–	IBC02	–
2801	DYE, LIQUID, CORROSIVE, N.O.S. or DYE INTERMEDIATE, LIQUID, CORROSIVE, N.O.S.	8	–	III	223 274	5 L	E1	P001 LP01	–	IBC03	–
2802	COPPER CHLORIDE	8	– P	III	–	500 g	E1	P002 LP02	–	IBC08	B3
2803	GALLIUM	8	–	III	–	5 kg	E0	P800	PP41	–	–

Portable tanks and bulk containers			EmS (15) 5.4.3.4 7.8	Stowage and handling (16a) 7.1 7.3–7.7	Segregation (16b) 7.2–7.7	Properties and observations (17)	UN No. (18)
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
–	BK2	–	F-G, S-J	Category A H1	SG26	These cargoes are liable to self-heating and to ignite spontaneously, particularly when in a finely divided form, wet or contaminated with such materials as unsaturated cutting oil, oily rags and other combustible matter. Self-heating or inadequate ventilation may cause dangerous depletion of oxygen in the stowage spaces. Excessive amounts of cast iron borings or organic materials may encourage heating. The swarf should be protected from moisture prior to and after loading. If, during loading, the weather is inclement, hatches should be closed or otherwise protected to keep the material dry.	2793
–	–	–	F-A, S-B	Category A SW16	SGG1 SG36 SG49	Metal plates immersed in acid electrolyte in a glass, hard rubber or plastics receptacle. When electrically charged, may cause fire through short-circuiting of terminals. Acid electrolyte is corrosive to most metals. Causes burns to skin, eyes and mucous membranes. Used batteries being transported for disposal or reclamation should be carefully checked prior to shipment to ensure the integrity of each battery and its suitability for transport.	2794
–	–	–	F-A, S-B	Category A SW16	SGG18 SG35	Metal plates immersed in alkaline electrolyte in a glass, hard rubber or plastics receptacle. When electrically charged, may cause fire through short-circuiting of terminals. Alkaline electrolyte is corrosive to aluminium, zinc and tin. Reacts violently with acids. Causes burns to skin, eyes and mucous membranes. Used batteries being transported for disposal or reclamation should be carefully checked prior to shipment to ensure the integrity of each battery and its suitability for transport.	2795
–	T8	TP2	F-A, S-B	Category B	SGG1a SG36 SG49	Colourless liquid, mixture not exceeding 1.405 relative density. Highly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	2796
–	T7	TP2 TP28	F-A, S-B	Category A	SGG18 SG22 SG35	Reacts violently with acids. Reacts with ammonium salts, evolving ammonia gas. Corrosive to aluminium, zinc and tin.	2797
–	T7	TP2	F-A, S-B	Category B SW2	SGG1 SG36 SG49	Colourless liquid. Causes burns to skin, eyes and mucous membranes.	2798
–	T7	TP2	F-A, S-B	Category B SW2	SGG1 SG36 SG49	Colourless liquid which fumes slightly in air. Reacts with water or steam, evolving toxic and flammable vapours. Causes burns to skin, eyes and mucous membranes.	2799
–	–	–	F-A, S-B	Category A	–	Metal plates immersed in gelled alkaline or acid electrolyte in a glass, hard rubber or plastics receptacle of a non-spillable type. When electrically charged, may cause fire through short-circuiting of terminals. Cause burns to skin, eyes and mucous membranes.	2800
–	T14	TP2 TP27	F-A, S-B	Category A	–	A wide range of corrosive liquids. Cause burns to skin, eyes and mucous membranes.	2801
–	T11	TP2 TP27	F-A, S-B	Category A	–	See entry above.	2801
–	T7	TP1 TP28	F-A, S-B	Category A	–	See entry above.	2801
–	T1	TP33	F-A, <u>S-B</u>	Category A	SGG1 SG36 SG49	White to yellow-brown crystals or powder. Partially to fully soluble in water. Corrosive to steel. Causes burns to skin, eyes and mucous membranes.	2802
–	T1	TP33	F-A, S-B	Category B SW1	–	Silvery-white metallic element that melts at 29°C, becoming a bright, shiny liquid. Insoluble in water. Highly corrosive to aluminium. Harmful if swallowed, by skin contact or by inhalation. Special care should be taken if a leakage occurs when carried in aluminium freight containers. Carriage should be prohibited in hovercraft and other ships constructed from aluminium.	2803

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2805	LITHIUM HYDRIDE, FUSED SOLID	4.3	–	II	–	500 g	E2	P410	PP31 PP40	IBC04	–
2806	LITHIUM NITRIDE	4.3	–	I	–	0	E0	P403	PP31	IBC04	B1
2807	MAGNETIZED MATERIAL	9	–	–	960	–	–	–	–	–	–
2809	MERCURY	8	6.1	III	365	5 kg	E0	P800	–	–	–
2810	TOXIC LIQUID, ORGANIC, N.O.S.	6.1	–	I	274 315	0	E5	P001	–	–	–
2810	TOXIC LIQUID, ORGANIC, N.O.S.	6.1	–	II	274	100 mL	E4	P001	–	IBC02	–
2810	TOXIC LIQUID, ORGANIC, N.O.S.	6.1	–	III	223 274	5 L	E1	P001 LP01	–	IBC03	–
2811	TOXIC SOLID, ORGANIC, N.O.S.	6.1	–	I	274	0	E5	P002	–	IBC99	–
2811	TOXIC SOLID, ORGANIC, N.O.S.	6.1	–	II	274	500 g	E4	P002	–	IBC08	B4 B21
2811	TOXIC SOLID, ORGANIC, N.O.S.	6.1	–	III	223 274	5 kg	E1	P002	–	IBC08	B3
2812	SODIUM ALUMINATE, SOLID	8	–	–	960	–	–	–	–	–	–
2813	WATER-REACTIVE SOLID, N.O.S.	4.3	–	I	274	0	E0	P403	PP31	IBC99	–
2813	WATER-REACTIVE SOLID, N.O.S.	4.3	–	II	274	500 g	E2	P410	PP31 PP40	IBC07	B4 B21
2813	WATER-REACTIVE SOLID, N.O.S.	4.3	–	III	223 274	1 kg	E1	P410	PP31	IBC08	B4
△ 2814	INFECTIOUS SUBSTANCE, AFFECTING HUMANS	6.2	–	–	318 341	0	E0	P620	–	–	–
2815	N-AMINOETHYLPIPERAZINE	8	6.1	III	–	5 L	E1	P001 LP01	–	IBC03	–
2817	AMMONIUM HYDROGEN-DIFLUORIDE SOLUTION	8	6.1	II	–	1 L	E2	P001	–	IBC02	B20
2817	AMMONIUM HYDROGEN-DIFLUORIDE SOLUTION	8	6.1	III	223	5 L	E1	P001	–	IBC03	–

Portable tanks and bulk containers			EmS (15) 5.4.3.4 7.8	Stowage and handling (16a) 7.1 7.3–7.7	Segregation (16b) 7.2–7.7	Properties and observations (17)	UN No. (18)
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
–	T3	TP33	F-G, S-N	Category E H1	SG26 SG35	White, crystalline mass. Reacts with water, moisture or acids, evolving hydrogen which may be ignited by the heat of the reaction.	2805
–	–	–	F-A, S-O	Category E	–	Brownish-red crystals or fine, free-flowing powder. Reacts slowly with water to form lithium hydroxide and ammonia.	2806
–	–	–	–	–	–	Not subject to the provisions of this Code but may be subject to provisions governing the transport of dangerous goods by other modes.	2807
–	–	–	F-A, <u>S-B</u>	Category B SW2	SGG7 SGG11 SG24	A silvery metallic element occurring in the liquid state at normal temperatures. Relative density: 13.546. Melting point: –39°C . Highly corrosive to aluminium. Toxic if swallowed, by skin contact or by inhalation. Special care should be taken if a leakage occurs during transport, especially when carried in breakable packages and in aluminium freight containers. Carriage should be prohibited in hovercraft and other ships constructed from aluminium.	2809
–	T14	TP2 TP13 TP27	F-A, S-A	Category B SW2	–	Toxic if swallowed, by skin contact or by inhalation.	2810
–	T11	TP2 TP13 TP27	F-A, S-A	Category B SW2	–	See entry above.	2810
–	T7	TP1 TP28	F-A, S-A	Category A SW2	–	See entry above.	2810
–	T6	TP33	F-A, S-A	Category B	–	Toxic if swallowed, by skin contact or by inhalation.	2811
–	T3	TP33	F-A, S-A	Category B	–	See entry above.	2811
–	T1	TP33	F-A, S-A	Category A	–	See entry above.	2811
–	–	–	–	–	–	Not subject to the provisions of this Code but may be subject to provisions governing the transport of dangerous goods by other modes.	2812
–	T9	TP7 TP33	<u>F-G</u> , S-N	Category E SW2 H1	SG26	–	2813
–	T3	TP33	F-G, S-N	Category E SW2 H1	SG26	–	2813
–	T1	TP33	F-G, S-N	Category E SW2 H1	SG26	–	2813
–	BK2	–	F-A, S-T	Category E SW2 H1 H5	SG50	Substances which are dangerous to humans or to humans and animals.	2814
–	T4	TP1	F-A, S-B	Category B SW1 SW2 H2	SG35 SG50	Yellow liquid. Miscible with water. Corrosive to skin, eyes and mucous membranes. Toxic if swallowed, by skin contact or by inhalation.	2815
–	T8	TP2 TP13	F-A, S-B	Category B SW2	SGG1 SGG2 SG36 SG49	Colourless liquid. Miscible with water. Highly corrosive to most metals and glass. Toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	2817
–	T4	TP1 TP13	F-A, S-B	Category B SW2	SGG1 SGG2 SG36 SG49	See entry above.	2817

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2818	AMMONIUM POLYSULPHIDE SOLUTION	8	6.1	II	–	1 L	E2	P001	–	IBC02	–
2818	AMMONIUM POLYSULPHIDE SOLUTION	8	6.1	III	223	5 L	E1	P001	–	IBC03	–
2819	AMYL ACID PHOSPHATE	8	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2820	BUTYRIC ACID	8	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2821	PHENOL SOLUTION	6.1	–	II	–	100 mL	E4	P001	–	IBC02	–
2821	PHENOL SOLUTION	6.1	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
2822	2-CHLOROPYRIDINE	6.1	–	II	–	100 mL	E4	P001	–	IBC02	–
2823	CROTONIC ACID, SOLID	8	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3 B21
2826	ETHYL CHLOROTHIOFORMATE	8	3 P	II	–	0	E0	P001	–	–	–
2829	CAPROIC ACID	8	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2830	LITHIUM FERROSILICON	4.3	–	II	–	500 g	E2	P410 PP31 PP40	–	IBC07	B4 B21
2831	1,1,1-TRICHLOROETHANE	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2834	PHOSPHOROUS ACID	8	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2835	SODIUM ALUMINIUM HYDRIDE	4.3	–	II	–	500 g	E0	P410 PP31 PP40	–	IBC04	–
2837	BISULPHATES, AQUEOUS SOLUTION	8	–	II	–	1 L	E2	P001	–	IBC02	–
2837	BISULPHATES, AQUEOUS SOLUTION	8	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
2838	VINYL BUTYRATE, STABILIZED	3	–	II	386	1 L	E2	P001	–	IBC02	–
2839	ALDOL	6.1	–	II	–	100 mL	E4	P001	–	IBC02	–

Portable tanks and bulk containers			EmS (15) 5.4.3.4 7.8	Stowage and handling (16a) 7.1 7.3–7.7	Segregation (16b) 7.2–7.7	Properties and observations (17)	UN No. (18)
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
–	T7	TP2 TP13	F-A, S-B	Category B SW1 SW2 H2	SGG2 SGG18 SG35	Unstable yellowish liquid with a foul odour (of rotten eggs). Miscible with water. Reacts violently with acids. Decomposes in contact with acids, evolving hydrogen sulphide, a toxic and flammable gas. Toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	2818
–	T4	TP1 TP13	F-A, S-B	Category B SW1 SW2 H2	SGG2 SGG18 SG35	See entry above.	2818
–	T4	TP1	F-A, S-B	Category A	SGG1 SG36 SG49	Clear colourless liquid. A mixture of primary and amyl isomers. Immiscible with water. Corrosive to skin, eyes and mucous membranes.	2819
–	T4	TP1	F-A, S-B	Category A SW1 H2	SGG1 SG36 SG49	Colourless liquid with a penetrating and unpleasant odour. Freezing point: –5°C to –8°C. Miscible with water. Corrosive to most metals. Harmful if swallowed or by inhalation. Corrosive to skin, eyes and mucous membranes.	2820
–	T7	TP2	F-A, S-A	Category A	–	Yellowish solutions with a perceptible odour. Toxic if swallowed, by skin contact or by inhalation. Rapidly absorbed through the skin.	2821
–	T4	TP1	F-A, S-A	Category A	–	See entry above.	2821
–	T7	TP2	F-A, S-A	Category A SW2	–	Colourless oily liquid. Slightly miscible with water. Toxic if swallowed, by skin contact or by inhalation.	2822
–	T1	TP33	F-A, S-B	Category A SW1 H2	SGG1 SG36 SG49	White crystalline solid. Soluble in water. Decomposes when heated, evolving toxic fumes. Causes burns to skin, eyes and mucous membranes.	2823
–	T7	TP2	F-E, <u>S-C</u>	Category A SW2	SGG1 SG36 SG49	Colourless, flammable liquid. Flashpoint: 29°C c.c. Causes burns to skin, eyes and mucous membranes.	2826
–	T4	TP1	F-A, S-B	Category A	SGG1 SG36 SG49	Oily, colourless or yellowish liquid. Melting point: –4°C. Partially miscible with water. Corrosive to mild steel. Causes burns to skin, eyes and mucous membranes.	2829
–	T3	TP33	F-G, S-N	Category E SW2 SW5 H1	SG26	Dark, crystalline, metal-like powder or brittle lumps. In contact with moisture, evolves flammable and toxic gases.	2830
–	T4	TP1	F-A, S-A	Category A SW2	SGG10	Colourless liquid. Immiscible with water. Decomposes when heated, evolving highly toxic fumes (phosgene and hydrogen chloride). Toxic if swallowed, by skin contact or by inhalation. Narcotic in high concentrations.	2831
–	T1	TP33	F-A, S-B	Category A SW1	SGG1 SG36 SG49	Colourless to yellow deliquescent crystals. Soluble in water. Mildly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	2834
–	T3	TP33	F-G, S-O	Category E H1	SG26 SG35	White, crystalline solid. Reacts with water, moisture or acids, evolving hydrogen, which may be ignited by the heat of the reaction.	2835
–	T7	TP2	F-A, S-B	Category A	–	Colourless to white liquid. Miscible with water. Corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	2837
–	T4	TP1	F-A, S-B	Category A	–	See entry above.	2837
–	T4	TP1	F-E, S-D	Category C SW1	–	Colourless liquid with a pungent odour. Flashpoint: 12°C c.c. Explosive limits: 1.4% to 8.8%. Immiscible with water. Irritating to skin, eyes and mucous membranes.	2838
–	T7	TP2	F-A, S-A	Category A SW1 H2	–	Clear, colourless to yellow viscous liquid. Miscible with water. Decomposes at 85°C, evolving toxic fumes. May react vigorously with oxidizing substances. Toxic if swallowed, by skin contact or by inhalation.	2839

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2840	BUTYRALDOXIME	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2841	DI- <i>n</i> -AMYLAMINE	3	6.1	III	–	5 L	E1	P001	–	IBC03	–
2842	NITROETHANE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2844	CALCIUM MANGANESE SILICON	4.3	–	III	–	1 kg	E1	P410	PP31	IBC08	B4
2845	PYROPHORIC LIQUID, ORGANIC, N.O.S.	4.2	–	I	274	0	E0	P400	–	–	–
2846	PYROPHORIC SOLID, ORGANIC, N.O.S.	4.2	–	I	274	0	E0	P404	PP31	–	–
2849	3-CHLOROPROPANOL-1	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2850	PROPYLENE TETRAMER	3	– P	III	–	5 L	E1	P001 LP01	–	IBC03	–
2851	BORON TRIFLUORIDE DIHYDRATE	8	–	II	–	1 L	E2	P001	–	IBC02	–
2852	DIPICRYL SULPHIDE, WETTED with not less than 10% water, by mass	4.1	–	I	28	0	E0	P406	PP24 PP31	–	–
2853	MAGNESIUM FLUOROSILICATE	6.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2854	AMMONIUM FLUOROSILICATE	6.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2855	ZINC FLUOROSILICATE	6.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2856	FLUOROSILICATES, N.O.S.	6.1	–	III	274	5 kg	E1	P002 LP02	–	IBC08	B3
2857	REFRIGERATING MACHINES containing non-flammable, non-toxic, gases or ammonia solutions (UN 2672)	2.2	–	–	119	0	E0	P003	PP32	–	–
2858	ZIRCONIUM, DRY, coiled wire, finished metal sheets, strip (thinner than 254 microns but not thinner than 18 microns)	4.1	–	III	921	5 kg	E1	P002 LP02	PP100 L3	–	–
2859	AMMONIUM METAVANADATE	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid. Immiscible with water. Flashpoint: 58°C c.c. Harmful by inhalation. Irritating to skin, eyes and mucous membranes.	2840
–	T4	TP1	F-E, S-D	Category A	SG35	Colourless liquid with an ammoniacal odour. Flashpoint: 52°C c.c. Slightly miscible with water. Toxic if swallowed, by skin contact or by inhalation.	2841
–	T2	TP1	F-E, S-D	Category A	–	Colourless, oily liquid. Flashpoint: 28°C c.c. Lower explosive limit: 3.4%. When involved in a fire, evolves nitrous toxic fumes. Slightly soluble in water. Irritating to skin, eyes and mucous membranes.	2842
–	T1	TP33	F-G, S-N	Category A SW5 H1	SG26 SG35	In contact with water, evolves hydrogen, a flammable gas. In contact with acid, evolves silane, a spontaneously flammable gas.	2844
–	T22	TP2 TP7	F-G, S-M	Category D H1	SG26 SG63	Highly flammable liquids, may ignite spontaneously in moist air. In contact with air, evolve irritating and slightly toxic fumes.	2845
–	–	–	F-G, S-M	Category D H1	SG26	Liable to ignite spontaneously in air. If shaken, may produce sparks. In contact with water, evolve hydrogen, a flammable gas.	2846
–	T4	TP1	F-A, S-A	Category A	–	Colourless to light-yellow liquid. Miscible with water. Mildly corrosive to steel. Toxic if swallowed, by skin contact or by inhalation.	2849
–	T2	TP2	F-E, S-E	Category A	–	Colourless liquid. Immiscible with water. Irritating to skin, eyes and mucous membranes. 1-dodecene is not marine pollutant.	2850
–	T7	TP2	F-A, S-B	Category B SW1 SW2 H2	SGG1 SG36 SG49	Colourless, non-fuming liquid. Boiling range: 58°C to 60°C. Reacts with water, evolving corrosive and toxic fumes. Corrosive to mild steel. Causes burns to skin, eyes and mucous membranes.	2851
–	–	–	F-B, S-J	Category D	SG7 SG30	Desensitized explosive. Golden-yellow, crystalline leaflets. Explosive and sensitive to shock and heat in the dry state. May form extremely sensitive compounds with heavy metals or their salts.	2852
–	T1	TP33	F-A, S-A	Category A	SG35	Solids which react with acids, evolving hydrogen fluoride and silicon tetrafluoride, irritating and corrosive gases. Toxic if swallowed, by skin contact or by dust inhalation.	2853
–	T1	TP33	F-A, S-A	Category A	SGG2 SG35	Solids which react with acids, evolving hydrogen fluoride and silicon tetrafluoride, irritating and corrosive gases. Toxic if swallowed, by skin contact or by dust inhalation.	2854
–	T1	TP33	F-A, S-A	Category A	SGG7 SG35	Solids which react with acids, evolving hydrogen fluoride and silicon tetrafluoride, irritating and corrosive gases. Toxic if swallowed, by skin contact or by dust inhalation.	2855
–	T1	TP33	F-A, S-A	Category A	SG35	Solids which react with acids, evolving hydrogen fluoride and silicon tetrafluoride, irritating and corrosive gases. Toxic if swallowed, by skin contact or by dust inhalation.	2856
–	–	–	F-C, S-V	Category A	–	–	2857
–	–	–	F-G, S-G	Category A H1	SG25 SG26	Hard silvery metal.	2858
–	T3	TP33	F-A, S-A	Category A	SGG2 SG6 SG8 SG10 SG12	White crystalline powder. Slightly soluble in water. May act as an oxidizing substance. Toxic if swallowed, by skin contact or by inhalation.	2859

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2861	AMMONIUM POLYVANADATE	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
2862	VANADIUM PENTOXIDE, non-fused form	6.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2863	SODIUM AMMONIUM VANADATE	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
2864	POTASSIUM METAVANADATE	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
2865	HYDROXYLAMINE SULPHATE	8	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2869	TITANIUM TRICHLORIDE MIXTURE	8	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
2869	TITANIUM TRICHLORIDE MIXTURE	8	–	III	223	5 kg	E1	P002 LP02	–	IBC08	B3
2870	ALUMINIUM BOROHYDRIDE	4.2	4.3	I	–	0	E0	P400	–	–	–
2870	ALUMINIUM BOROHYDRIDE IN DEVICES	4.2	4.3	I	–	0	E0	P002	PP13	–	–
2871	ANTIMONY POWDER	6.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2872	DIBROMOCHLOROPROPANES	6.1	–	II	–	100 mL	E4	P001	–	IBC02	–
2872	DIBROMOCHLOROPROPANES	6.1	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
2873	DIBUTYLAMINOETHANOL	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2874	FURFURYL ALCOHOL	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2875	HEXACHLOROPHENE	6.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2876	RESORCINOL	6.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2878	TITANIUM SPONGE GRANULES or TITANIUM SPONGE POWDERS	4.1	–	III	223	5 kg	E1	P002 LP02	PP100 L3	IBC08	B4
2879	SELENIUM OXYCHLORIDE	8	6.1	I	–	0	E0	P001	–	–	–

Portable tanks and bulk containers			EmS (15) 5.4.3.4 7.8	Stowage and handling (16a) 7.1 7.3–7.7	Segregation (16b) 7.2–7.7	Properties and observations (17)	UN No. (18)
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
–	T3	TP33	F-A, S-A	Category A	SGG2 SG6 SG8 SG10 SG12	Orange powder. Slightly soluble in water. May act as an oxidizing substance. Toxic if swallowed, by skin contact or by inhalation.	2861
–	T1	TP33	F-A, S-A	Category A	–	Brownish powder. Slightly soluble in water. Toxic if swallowed, by skin contact or by inhalation.	2862
–	T3	TP33	F-A, S-A	Category A	SGG2	Orange wet cake (with 10% to 15% water). Soluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	2863
–	T3	TP33	F-A, S-A	Category A	–	White crystalline powder. Slightly soluble in water. Toxic if swallowed, by skin contact or by inhalation.	2864
–	T1	TP33	F-A, S-B	Category A	SGG1 SG35 SG36 SG49	Colourless to white crystalline powder. Soluble in water. May decompose explosively when heated. Causes burns to skin, eyes and mucous membranes.	2865
–	T3	TP33	F-A, S-B	Category A SW2	SGG1 SGG7 SG36 SG49	Violet crystalline solid. Reacts in moist air or in water, evolving heat and hydrogen chloride, an irritating and corrosive gas apparent as white fumes. In the presence of moisture, corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	2869
–	T1	TP33	F-A, S-B	Category A SW2	SGG1 SGG7 SG36 SG49	See entry above.	2869
–	T21	TP7 TP33	F-G, S-M	Category D H1	SG26	Liquid. Ignites spontaneously in air. Reacts with water or steam to produce heat or hydrogen, which may form explosive mixtures with air.	2870
–	–	–	F-G, S-M	Category D H1	SG26	–	2870
–	T1	TP33	F-A, S-A	Category A	–	Metallic antimony in the form of a fine grey powder. Insoluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	2871
–	T7	TP2	F-A, S-A	Category A	SGG10	Colourless liquid with a perceptible odour. Immiscible with water. Toxic if swallowed, by skin contact or by inhalation.	2872
–	T4	TP1	F-A, S-A	Category A	SGG10	See entry above.	2872
–	T4	TP1	F-A, S-A	Category A	–	Colourless liquid with a perceptible odour. Miscible with water. Toxic if swallowed, by skin contact or by inhalation.	2873
–	T4	TP1	F-A, S-A	Category A	SG17 SG35	Clear, colourless, mobile liquid, becoming brown to dark-red upon exposure to light and air. Miscible with water. Reacts explosively with oxidizing substances. Toxic if swallowed, by skin contact or by inhalation.	2874
–	T1	TP33	F-A, S-A	Category A	–	White, odourless powder or crystals. Insoluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	2875
–	T1	TP33	F-A, S-A	Category A	–	White to pink crystals. Soluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	2876
–	T1	TP33	F-G, S-G	Category D H1	SGG7 SGG15 SG17 SG25 SG26	Silvery grey granules or dark grey, amorphous powder. May react with carbon dioxide, evolving oxygen. Forms explosive mixtures with oxidizing substances.	2878
–	T10	TP2 TP13	F-A, S-B	Category E SW2	SGG1 SG36 SG49	Colourless, yellowish liquid. Reacts violently with water, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. In the presence of moisture, highly corrosive to most metals. Toxic if swallowed, by skin contact or by inhalation. Causes severe burns to skin, eyes and mucous membranes.	2879

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2880	CALCIUM HYPOCHLORITE, HYDRATED or CALCIUM HYPOCHLORITE, HYDRATED MIXTURE with not less than 5.5% but not more than 16% water	5.1	– P	II	314 322	1 kg	E2	P002	PP85	–	–
2880	CALCIUM HYPOCHLORITE, HYDRATED or CALCIUM HYPOCHLORITE, HYDRATED MIXTURE with not less than 5.5% but not more than 16% water	5.1	– P	III	223 314	5 kg	E1	P002	PP85	–	–
2881	METAL CATALYST, DRY	4.2	–	I	274	0	E0	P404	PP31	–	–
2881	METAL CATALYST, DRY	4.2	–	II	274	0	E0	P410	PP31	IBC06	B21
2881	METAL CATALYST, DRY	4.2	–	III	223 274	0	E1	P002 LP02	PP31 L4	IBC08	B4
△ 2900	INFECTIOUS SUBSTANCE, AFFECTING ANIMALS only	6.2	–	–	318 341	0	E0	P620	–	–	–
2901	BROMINE CHLORIDE	2.3	5.1/8	–	–	0	E0	P200	–	–	–
2902	PESTICIDE, LIQUID, TOXIC, N.O.S.	6.1	–	I	61 274	0	E5	P001	–	–	–
2902	PESTICIDE, LIQUID, TOXIC, N.O.S.	6.1	–	II	61 274	100 mL	E4	P001	–	IBC02	–
2902	PESTICIDE, LIQUID, TOXIC, N.O.S.	6.1	–	III	61 223 274	5 L	E1	P001 LP01	–	IBC03	–
2903	PESTICIDE, LIQUID, TOXIC, FLAMMABLE, N.O.S. flashpoint not less than 23°C	6.1	3	I	61 274	0	E5	P001	–	–	–
2903	PESTICIDE, LIQUID, TOXIC, FLAMMABLE, N.O.S. flashpoint not less than 23°C	6.1	3	II	61 274	100 mL	E4	P001	–	IBC02	–
2903	PESTICIDE, LIQUID, TOXIC, FLAMMABLE, N.O.S. flashpoint not less than 23°C	6.1	3	III	61 223 274	5 L	E1	P001	–	IBC03	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-H, S-Q	Category D SW1 SW11	SGG8 SG35 SG38 SG49 SG53 SG60	White or yellowish solid (powder, granules or tablets) with chlorine-like odour. Soluble in water. May cause fire in contact with organic material or ammonium compounds. Substances are liable to exothermic decomposition at elevated temperatures. This condition may lead to fire or explosion. Decomposition can be initiated by heat or by impurities (e.g. powdered metals (iron, manganese, cobalt, magnesium) and their compounds). Liable to heat slowly. Reacts with acids, evolving chlorine, an irritating, corrosive and toxic gas. In the presence of moisture, corrosive to most metals. Dust irritates mucous membranes.	2880
–	–	–	F-H, S-Q	Category D SW1 SW11	SGG8 SG35 SG38 SG49 SG53 SG60	See entry above	2880
–	T21	TP7 TP33	F-G, S-M	Category C H1	SGG7 SGG15 SG25 SG26	Liable to ignite spontaneously in air.	2881
–	T3	TP33	F-G, S-M	Category C H1	SGG7 SGG15 SG25 SG26	See entry above.	2881
–	T1	TP33	F-G, S-M	Category C H1	SGG7 SGG15 SG25 SG26	See entry above.	2881
–	BK2	–	F-A, S-T	Category E SW2 H1 H5	SG50	Substances which are dangerous to animals only. For action to be taken in the event of damage to, or leaking from, a package containing infectious substances, refer to 7.8.3.	2900
–	–	–	F-C, S-W	Category D SW2	SG6 SG19	Reddish-yellow non-flammable, toxic and corrosive gas. When heated to decomposition, emits highly toxic and corrosive fumes of bromine and chlorine. Reacts with water, evolving toxic and corrosive fumes. Powerful oxidizing agent which may cause violent fires with combustible materials. Much heavier than air. Highly irritating to skin, eyes and mucous membranes.	2901
–	T14	TP2 TP13 TP27	F-A, S-A	Category B SW2	–	Liquid pesticides which present a very wide range of toxic hazard. Miscibility with water depends upon the composition. Toxic if swallowed, by skin contact or by inhalation.	2902
–	T11	TP2 TP13 TP27	F-A, S-A	Category B SW2	–	See entry above.	2902
–	T7	TP2 TP28	F-A, S-A	Category A SW2	–	See entry above.	2902
–	T14	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	Liquid flammable pesticides having a flashpoint between 23°C and 60°C c.c., presenting a very wide range of toxic hazard. They frequently contain petroleum or coal tar distillates, or other flammable liquids. Flashpoint and miscibility with water depend upon the composition. Toxic if swallowed, by skin contact or by inhalation.	2903
–	T11	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	See entry above.	2903
–	T7	TP2	F-E, S-D	Category A SW2	–	See entry above.	2903

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2904	CHLOROPHENOLATES, LIQUID or PHENOLATES, LIQUID	8	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2905	CHLOROPHENOLATES, SOLID or PHENOLATES, SOLID	8	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2907	ISOSORBIDE DINITRATE MIXTURE with not less than 60% lactose, mannose, starch, or calcium hydrogen phosphate	4.1	–	II	127	0	E0	P406	PP26 PP80	IBC06	B12 B21
2908	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE – EMPTY PACKAGING	7	See SP290	–	290 368	0	E0	See 4.1.9	See 4.1.9	See 4.1.9	See 4.1.9
2909	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE – ARTICLES MANUFACTURED FROM NATURAL URANIUM or DEPLETED URANIUM or NATURAL THORIUM	7	See SP290	–	290	0	E0	See 4.1.9	See 4.1.9	See 4.1.9	See 4.1.9
2910	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE – LIMITED QUANTITY OF MATERIAL	7	See SP290	–	290 368	0	E0	See 4.1.9	See 4.1.9	See 4.1.9	See 4.1.9
2911	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE – INSTRUMENTS or ARTICLES	7	See SP290	–	290	0	E0	See 4.1.9	See 4.1.9	See 4.1.9	See 4.1.9
2912	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-I), non fissile or fissile-excepted	7	See SP172	–	172 317 325	0	E0	See 4.1.9	See 4.1.9	See 4.1.9	See 4.1.9
2913	RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS (SCO-I, SCO-II or SCO-III), non fissile or fissile-excepted	7	See SP172	–	172 317 325	0	E0	See 4.1.9	See 4.1.9	See 4.1.9	See 4.1.9
2915	RADIOACTIVE MATERIAL, TYPE A PACKAGE, non-special form, non fissile or fissile-excepted	7	See SP172	–	172 317 325	0	E0	See 4.1.9	See 4.1.9	See 4.1.9	See 4.1.9
2916	RADIOACTIVE MATERIAL, TYPE B(U) PACKAGE, non fissile or fissile-excepted	7	See SP172	–	172 317 325	0	E0	See 4.1.9	See 4.1.9	See 4.1.9	See 4.1.9
2917	RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, non fissile or fissile-excepted	7	See SP172	–	172 317 325	0	E0	See 4.1.9	See 4.1.9	See 4.1.9	See 4.1.9
2919	RADIOACTIVE MATERIAL TRANSPORTED UNDER SPECIAL ARRANGEMENT, non fissile or fissile-excepted	7	See SP172	–	172 317 325	0	E0	See 4.1.9	See 4.1.9	See 4.1.9	See 4.1.9
2920	CORROSIVE LIQUID, FLAMMABLE, N.O.S.	8	3	I	274	0	E0	P001	–	–	–
2920	CORROSIVE LIQUID, FLAMMABLE, N.O.S.	8	3	II	274	1 L	E2	P001	–	IBC02	–
2921	CORROSIVE SOLID, FLAMMABLE, N.O.S.	8	4.1	I	274	0	E0	P002	–	IBC99	–
2921	CORROSIVE SOLID, FLAMMABLE, N.O.S.	8	4.1	II	274	1 kg	E2	P002	–	IBC08	B4 B21

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-A, S-B	Category A	–	A wide range of corrosive liquids. Cause burns to skin, eyes and mucous membranes.	2904
–	T1	TP33	F-A, S-B	Category A	–	A wide range of corrosive solids. Soluble in water. Cause burns to skin, eyes and mucous membranes.	2905
–	–	–	F-A, S-J	Category E	SG7 SG30	Desensitized explosive. Pure isosorbide dinitrate is explosive. May form extremely sensitive compounds with heavy metals or their salts.	2907
–	–	–	F-I, S-S	Category A	–	See 1.5.1 and 5.1.5.4.2.	2908
–	–	–	F-I, S-S	Category A	–	See 1.5.1 and 5.1.5.4.2.	2909
–	–	–	F-I, S-S	Category A	–	See 1.5.1 and 5.1.5.4.2.	2910
–	–	–	F-I, S-S	Category A	–	See 1.5.1 and 5.1.5.4.2.	2911
–	T5	TP4	F-I, S-S	Category A SW20 SW21	–	See 1.5.1.	2912
–	T5	TP4	F-I, S-S	Category A	–	See 1.5.1.	2913
–	–	–	F-I, S-S	Category A SW20 SW21	–	See 1.5.1.	2915
–	–	–	F-I, S-S	Category A SW12	–	See 1.5.1. For ships transporting an INF cargo as defined in regulation VII/14 of the SOLAS Convention, 1974, as amended, refer also to the INF Code.	2916
–	–	–	F-I, S-S	Category A SW12	–	See 1.5.1. For ships transporting an INF cargo as defined in regulation VII/14 of the SOLAS Convention, 1974, as amended, refer also to the INF Code.	2917
–	–	–	F-I, S-S	Category A SW13	–	See 1.5.1. For ships transporting an INF cargo as defined in regulation VII/14 of the SOLAS Convention, 1974, as amended, refer also to the INF Code.	2919
–	T14	TP2 TP27	F-E, S-C	Category C SW1 SW2	–	Causes burns to skin, eyes and mucous membranes.	2920
–	T11	TP2 TP27	F-E, S-C	Category C SW1 SW2	–	See entry above.	2920
–	T6	TP33	F-A, S-G	Category B SW1 H2	–	Causes burns to skin, eyes and mucous membranes.	2921
–	T3	TP33	F-A, S-G	Category B SW1 H2	–	See entry above.	2921

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2922	CORROSIVE LIQUID, TOXIC, N.O.S.	8	6.1	I	274	0	E0	P001	–	–	–
2922	CORROSIVE LIQUID, TOXIC, N.O.S.	8	6.1	II	274	1 L	E2	P001	–	IBC02	–
2922	CORROSIVE LIQUID, TOXIC, N.O.S.	8	6.1	III	223 274	5 L	E1	P001	–	IBC03	–
2923	CORROSIVE SOLID, TOXIC, N.O.S.	8	6.1	I	274	0	E0	P002	–	IBC99	–
2923	CORROSIVE SOLID, TOXIC, N.O.S.	8	6.1	II	274	1 kg	E2	P002	–	IBC08	B4 B21
2923	CORROSIVE SOLID, TOXIC, N.O.S.	8	6.1	III	223 274	5 kg	E1	P002	–	IBC08	B3
2924	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	3	8	I	274	0	E0	P001	–	–	–
2924	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	3	8	II	274	1 L	E2	P001	–	IBC02	–
2924	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	3	8	III	223 274	5 L	E1	P001	–	IBC03	–
2925	FLAMMABLE SOLID, CORROSIVE, ORGANIC, N.O.S.	4.1	8	II	274	1 kg	E2	P002	–	IBC06	B21
2925	FLAMMABLE SOLID, CORROSIVE, ORGANIC, N.O.S.	4.1	8	III	223 274	5 kg	E1	P002	–	IBC06	–
2926	FLAMMABLE SOLID, TOXIC, ORGANIC, N.O.S.	4.1	6.1	II	274	1 kg	E2	P002	–	IBC06	B21
2926	FLAMMABLE SOLID, TOXIC, ORGANIC, N.O.S.	4.1	6.1	III	223 274	5 kg	E1	P002	–	IBC06	–
2927	TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S.	6.1	8	I	274 315	0	E5	P001	–	–	–
2927	TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S.	6.1	8	II	274	100 mL	E4	P001	–	IBC02	–
2928	TOXIC SOLID, CORROSIVE, ORGANIC, N.O.S.	6.1	8	I	274	0	E5	P002	–	IBC99	–
2928	TOXIC SOLID, CORROSIVE, ORGANIC, N.O.S.	6.1	8	II	274	500 g	E4	P002	–	IBC06	B21
2929	TOXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S.	6.1	3	I	274 315	0	E5	P001	–	–	–
2929	TOXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S.	6.1	3	II	274	100 mL	E4	P001	–	IBC02	–
2930	TOXIC SOLID, FLAMMABLE, ORGANIC, N.O.S.	6.1	4.1	I	274	0	E5	P002	–	IBC99	–
2930	TOXIC SOLID, FLAMMABLE, ORGANIC, N.O.S.	6.1	4.1	II	274	500 g	E4	P002	–	IBC08	B4 B21
2931	VANADYL SULPHATE	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
2933	METHYL 2-CHLORO-PROPIONATE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2934	ISOPROPYL 2-CHLORO-PROPIONATE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T14	TP2 TP13 TP27	F-A, S-B	Category B SW2	–	Causes burns to skin, eyes and mucous membranes. Toxic if swallowed, by skin contact or by inhalation.	2922
–	T7	TP2	F-A, S-B	Category B SW2	–	See entry above.	2922
–	T7	TP1 TP28	F-A, S-B	Category B SW2	–	See entry above.	2922
–	T6	TP33	F-A, S-B	Category B SW2	–	Causes burns to skin, eyes and mucous membranes. Toxic if swallowed, by skin contact or by inhalation.	2923
–	T3	TP33	F-A, S-B	Category B SW2	–	See entry above.	2923
–	T1	TP33	F-A, S-B	Category B SW2	–	See entry above.	2923
–	T14	TP2	F-E, S-C	Category E SW2	–	Causes burns to skin, eyes and mucous membranes.	2924
–	T11	TP2 TP27	F-E, S-C	Category B SW2	–	See entry above.	2924
–	T7	TP1 TP28	F-E, S-C	Category A SW2	–	See entry above.	2924
–	T3	TP33	F-A, S-G	Category D SW2	–	Causes burns to skin, eyes and mucous membranes.	2925
–	T1	TP33	F-A, S-G	Category D SW2	–	See entry above.	2925
–	T3	TP33	F-A, S-G	Category B SW2	–	Toxic if swallowed, by skin contact or by dust inhalation. Should be handled with care to minimize exposure, particularly to dust.	2926
–	T1	TP33	F-A, S-G	Category B SW2	–	See entry above.	2926
–	T14	TP2 TP13 TP27	F-A, S-B	Category B SW2	–	Toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	2927
–	T11	TP2 TP27	F-A, S-B	Category B SW2	–	See entry above.	2927
–	T6	TP33	F-A, S-B	Category B SW2	–	Toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	2928
–	T3	TP33	F-A, S-B	Category B SW2	–	See entry above.	2928
–	T14	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	Toxic if swallowed, by skin contact or by inhalation.	2929
–	T11	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	See entry above.	2929
–	T6	TP33	F-A, S-G	Category B	–	Toxic if swallowed, by skin contact or by inhalation.	2930
–	T3	TP33	F-A, S-G	Category B	–	See entry above.	2930
–	T3	TP33	F-A, S-A	Category A	–	Blue, crystalline powder. Soluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	2931
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid with an ether-like odour. Flashpoint: 32°C c.c. Slightly soluble in water. Irritating to skin, eyes and mucous membranes.	2933
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid with a sweetish odour. Flashpoint: 50°C c.c. Immiscible with water. Irritating to skin, eyes and mucous membranes.	2934

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2935	ETHYL 2-CHLOROPROPIONATE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2936	THIOLACTIC ACID	6.1	–	II	–	100 mL	E4	P001	–	IBC02	–
2937	<i>alpha</i> -METHYLBENZYL ALCOHOL, LIQUID	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2940	9-PHOSPHABICYCLONONANES (CYCLOOCTADIENE-PHOSPHINES)	4.2	–	II	–	0	E2	P410	PP31	IBC06	B21
2941	FLUOROANILINES	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2942	2-TRIFLUOROMETHYLANILINE	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2943	TETRAHYDRO-FURFURYLAMINE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2945	<i>N</i> -METHYLBUTYLAMINE	3	8	II	–	1 L	E2	P001	–	IBC02	–
2946	2-AMINO-5-DIETHYLAMINO-PENTANE	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2947	ISOPROPYL CHLOROACETATE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
2948	3-TRIFLUOROMETHYLANILINE	6.1	–	II	–	100 mL	E4	P001	–	IBC02	–
2949	SODIUM HYDROSULPHIDE, HYDRATED with not less than 25% water of crystallization	8	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
2950	MAGNESIUM GRANULES, COATED, particle size not less than 149 microns	4.3	–	III	920	1 kg	E1	P410	PP100	IBC08	B4
2956	5- <i>tert</i> -BUTYL-2,4,6-TRINITRO- <i>m</i> -XYLENE (MUSK XYLENE)	4.1	–	III	133	0	E0	P409	–	–	–
2965	BORON TRIFLUORIDE DIMETHYL ETHERATE	4.3	3/8	I	–	0	E0	P401	PP31	–	–
2966	THIOGLYCOL	6.1	–	II	–	100 mL	E4	P001	–	IBC02	–
2967	SULPHAMIC ACID	8	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
2968	MANEB, STABILIZED or MANEB PREPARATION, STABILIZED against self-heating	4.3	– P	III	223 946	1 kg	E1	P002	PP100	IBC08	B4

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid with a pungent odour. Flashpoint: 38°C c.c. Immiscible with water. Irritating to skin, eyes and mucous membranes.	2935
–	T7	TP2	F-A, S-A	Category A	–	Oily liquid with a foul odour. Melting point: 10°C. Miscible with water. Toxic if swallowed, by skin contact or by inhalation.	2936
–	T4	TP1	F-A, S-A	Category A	–	Colourless liquid. Slightly miscible with water. Melting point: 21°C (pure substance). Toxic if swallowed, by skin contact or by inhalation.	2937
–	T3	TP33	F-A, S-J	Category A	–	Colourless, waxy solids. Melting point: 40°C to 60°C. React in contact with materials such as sawdust or other cellulose-based materials, resulting in charring and evolution of toxic fumes. Irritating to skin, eyes and mucous membranes.	2940
–	T4	TP1	F-A, S-A	Category A	–	Liquids. Freezing points: –28°C to –2°C. Immiscible with water. Toxic if swallowed, by skin contact or by inhalation.	2941
–	–	–	F-A, S-A	Category A	–	Liquid. Immiscible with water. Toxic if swallowed, by skin contact or by inhalation.	2942
–	T2	TP1	F-E, S-D	Category A	–	Colourless to yellowish liquid with an ammoniacal odour. Flashpoint: 45°C c.c. Miscible with water. Harmful by inhalation. Irritating to skin, eyes and mucous membranes.	2943
–	T7	TP1	F-E, S-C	Category B SW2	SG35	Colourless liquid. Flashpoint: 0°C c.c. Miscible with water. Harmful by inhalation. Causes burns to skin and eyes. Irritating to mucous membranes.	2945
–	T4	TP1	F-A, S-A	Category A	–	Liquid with an acrid odour. Miscible with water. Toxic if swallowed, by skin contact or by inhalation.	2946
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid with a pungent odour. Flashpoint: 56°C c.c. Slightly soluble in water. Harmful by inhalation. Irritating to skin, eyes and mucous membranes.	2947
–	T7	TP2	F-A, S-A	Category A SW2	–	Colourless to yellowish liquid. Melting point: 5°C. Slightly miscible with water. Toxic if swallowed, by skin contact or by inhalation.	2948
–	T7	TP2	F-A, S-B	Category A	SGG18 SG35	Colourless needles or yellow flakes. Soluble in water with a foul odour. Melting point: 52°C. Reacts violently with acids, evolving hydrogen sulphide, a toxic and flammable gas. Causes burns to skin, eyes and mucous membranes.	2949
–	T1 BK2	TP33	F-G, S-O	Category A H1	SGG15 SG26 SG35	Coated granules with particle size ranging from 149 to 2,000 microns. In contact with water or acids, evolve hydrogen, a flammable gas.	2950
–	–	–	F-B, S-G	Category D SW1 SW2 H2 H3	SG1	Insoluble in water. May explode if involved in a fire under confined conditions. Sensitive to strong detonation shock. Harmful if swallowed or by skin contact.	2956
–	T10	TP2 TP7 TP13	F-G, S-O	Category D SW2 H1	SG5 SG8 SG13 SG25 SG26	Colourless, flammable liquid. Flashpoint: 20°C c.c. but widely variable, depending upon free ether content. Freezing point: –14°C. Decomposes in contact with water, forming dimethyl ether, a flammable gas. Causes burns to skin, eyes and mucous membranes.	2965
–	T7	TP2	F-A, S-A	Category A	–	Colourless liquid with a foul odour. Miscible with water. Decomposes when heated, evolving sulphur dioxide. Toxic if swallowed, by skin contact or by inhalation.	2966
–	T1	TP33	F-A, S-B	Category A	SGG1 SG36 SG49	White crystalline powder. Soluble in water. Decomposes when heated, evolving toxic fumes. Causes burns to skin, eyes and mucous membranes.	2967
–	T1	TP33	F-G, S-L	Category B H1	SG26 SG29 SG35	Yellow powder. May evolve toxic, irritating or flammable fumes when wet, when involved in a fire or in contact with acids. Requires certification from the shipper that the substance is not class 4.2.	2968

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2969	CASTOR BEANS or CASTOR MEAL or CASTOR POMACE or CASTOR FLAKE	9	–	II	141	5 kg	E2	P002	PP34	IBC08	B4 B21
2977	RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, FISSILE	7	6.1/8	–	–	0	E0	See 4.1.9	See 4.1.9	See 4.1.9	See 4.1.9
2978	RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE non fissile or fissile-excepted	7	6.1/8	–	317	0	E0	See 4.1.9	See 4.1.9	See 4.1.9	See 4.1.9
2983	ETHYLENE OXIDE AND PROPYLENE OXIDE MIXTURE with not more than 30% ethylene oxide	3	6.1	I	–	0	E0	P001	–	–	–
2984	HYDROGEN PEROXIDE, AQUEOUS SOLUTION with not less than 8% but less than 20% hydrogen peroxide (stabilized as necessary)	5.1	–	III	65	5 L	E1	P504	–	IBC02	B5
2985	CHLOROSILANES, FLAMMABLE, CORROSIVE, N.O.S.	3	8	II	–	0	E0	P010	–	–	–
2986	CHLOROSILANES, CORROSIVE, FLAMMABLE, N.O.S.	8	3	II	–	0	E0	P010	–	–	–
2987	CHLOROSILANES, CORROSIVE, N.O.S.	8	–	II	–	0	E0	P010	–	–	–
2988	CHLOROSILANES, WATER-REACTIVE, FLAMMABLE, CORROSIVE, N.O.S.	4.3	3/8	I	–	0	E0	P401	PP31	–	–
2989	LEAD PHOSPHITE, DIBASIC	4.1	–	II	922	1 kg	E2	P002	–	IBC08	B4 B21
2989	LEAD PHOSPHITE, DIBASIC	4.1	–	III	922	5 kg	E1	P002 LP02	–	IBC08	B3

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T3 BK2	TP33	F-A, S-A	Category E SW2	SG10 SG18 SG29	Whole beans or meal. The latter is the residue remaining after the oil has been extracted from the seeds. Castor beans contain a powerful allergen which, by inhalation of dust or by skin contact with crushed bean products, can give rise to severe irritation of the skin, eyes and mucous membranes in some persons. They are also toxic by ingestion. When handling these products, wear at least a dust mask and goggles. Avoid unnecessary skin contact.	2969
–	–	–	F-I, S-S	Category B SW2 SW12	SG17 SG76 SG78	See 1.5.1.	2977
–	–	–	F-I, S-S	Category B SW2 SW12	SG17 SG76 SG78	See 1.5.1.	2978
–	T14	TP2 TP7 TP13	F-E, S-D	Category E SW1 SW2	–	Colourless, volatile liquid with an ethereal odour. Flashpoint: below –18°C c.c. Explosive limits: 2.2% to 55%. Boiling point: 23°C to 28°C. Miscible with water. Corrosive to aluminium. Toxic if swallowed, by skin contact or by inhalation. Irritating to eyes and mucous membranes.	2983
–	T4	TP1 TP6 TP24	F-H, S-Q	Category B SW1	SG16 SG59 SG72	Colourless liquid. Slowly decomposes, evolving oxygen; the rate of decomposition increases in contact with metals, except aluminium.	2984
–	T14	TP2 TP7 TP13 TP27	F-E, S-C	Category B SW2	SGG1 SG36 SG49	Colourless liquids with a pungent odour. When involved in a fire, evolve toxic gases. React violently with water, evolving hydrogen chloride, an irritating and corrosive gas. In the presence of moisture, highly corrosive to most metals. Cause burns to skin, eyes and mucous membranes.	2985
–	T14	TP2 TP7 TP13 TP27	F-E, S-C	Category C SW2	SGG1 SG36 SG49	Colourless, flammable liquids with a pungent odour. Immiscible with water. React violently with water or steam, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. When involved in a fire, evolve toxic gas. In the presence of moisture, highly corrosive to most metals. Cause burns to skin, eyes and mucous membranes.	2986
–	T14	TP2 TP7 TP13 TP27	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Colourless liquids with a pungent odour. Immiscible with water. React violently with water or steam, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. When involved in a fire, evolve toxic gases. In the presence of moisture, highly corrosive to most metals. Cause burns to skin, eyes and mucous membranes.	2987
–	T14	TP2 TP7 TP13	F-G, S-N	Category D SW2 H1	SGG1 SG5 SG8 SG13 SG25 SG26 SG36 SG49	Colourless, very volatile liquids, flammable and corrosive, with a pungent odour. Immiscible with water. React violently with water or steam to produce heat which may lead to self-ignition; toxic and corrosive fumes will be evolved. May react vigorously in contact with oxidizing substances. Cause burns to skin, eyes and mucous membranes.	2988
–	T3	TP33	F-A, S-G	Category B	SGG7 SGG9 SG29	Fine white crystals or powder. Insoluble in water. Combustion can be sustained, even in the absence of air. Harmful if swallowed.	2989
–	T1	TP33	F-A, S-G	Category B	SGG7 SGG9 SG29	See entry above.	2989

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2990	LIFE-SAVING APPLIANCES, SELF-INFLATING	9	–	–	296	0	E0	P905	–	–	–
2991	CARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	I	61 274	0	E5	P001	–	–	–
2991	CARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	II	61 274	100 mL	E4	P001	–	IBC02	–
2991	CARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	III	61 223 274	5 L	E1	P001 LP01	–	IBC03	–
2992	CARBAMATE PESTICIDE, LIQUID, TOXIC	6.1	–	I	61 274	0	E5	P001	–	–	–
2992	CARBAMATE PESTICIDE, LIQUID, TOXIC	6.1	–	II	61 274	100 mL	E4	P001	–	IBC02	–
2992	CARBAMATE PESTICIDE, LIQUID, TOXIC	6.1	–	III	61 223 274	5 L	E1	P001 LP01	–	IBC03	–
2993	ARSENICAL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	I	61 274	0	E5	P001	–	–	–
2993	ARSENICAL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	II	61 274	100 mL	E4	P001	–	IBC02	–
2993	ARSENICAL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	III	61 223 274	5 L	E1	P001	–	IBC03	–
2994	ARSENICAL PESTICIDE, LIQUID, TOXIC	6.1	–	I	61 274	0	E5	P001	–	–	–
2994	ARSENICAL PESTICIDE, LIQUID, TOXIC	6.1	–	II	61 274	100 mL	E4	P001	–	IBC02	–
2994	ARSENICAL PESTICIDE, LIQUID, TOXIC	6.1	–	III	61 223 274	5 L	E1	P001 LP01	–	IBC03	–
2995	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	I	61 274	0	E5	P001	–	–	–
2995	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	II	61 274	100 mL	E4	P001	–	IBC02	–
2995	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	III	61 223 274	5 L	E1	P001	–	IBC03	–

Portable tanks and bulk containers			EmS (15) 5.4.3.4 7.8	Stowage and handling (16a) 7.1 7.3–7.7	Segregation (16b) 7.2–7.7	Properties and observations (17)	UN No. (18)
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
–	–	–	F-A, <u>S-V</u>	Category A	SG18 SG71	These articles may contain: .1 class 2.2 compressed gases; .2 signal devices (class 1) which may include smoke and illumination signal flares; signal devices must be packed in plastic or fibreboard inner packagings; .3 electric storage batteries; .4 first aid kit; or .5 “strike anywhere” matches.	2990
–	T14	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	Liquid flammable pesticides having a flashpoint between 23°C and 60°C c.c., presenting a very wide range of toxic hazard. They frequently contain petroleum or coal tar distillates, or other flammable liquids. Flashpoint and miscibility with water depend upon the composition. Toxic if swallowed, by skin contact or by inhalation.	2991
–	T11	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	See entry above.	2991
–	T7	TP2 TP28	F-E, S-D	Category A SW2	–	See entry above.	2991
–	T14	TP2 TP13 TP27	F-A, S-A	Category B SW2	–	Miscibility with water depends upon the composition. Toxic if swallowed, by skin contact or by inhalation.	2992
–	T11	TP2 TP13 TP27	F-A, S-A	Category B SW2	–	See entry above.	2992
–	T7	TP2 TP28	F-A, S-A	Category A SW2	–	See entry above.	2992
–	T14	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	Liquid flammable pesticides having a flashpoint between 23°C and 60°C c.c., presenting a very wide range of toxic hazard. They frequently contain petroleum or coal tar distillates, or other flammable liquids. Flashpoint and miscibility with water depend upon the composition. Toxic if swallowed, by skin contact or by inhalation.	2993
–	T11	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	See entry above.	2993
–	T7	TP2 TP28	F-E, S-D	Category A SW2	–	See entry above.	2993
–	T14	TP2 TP13 TP27	F-A, S-A	Category B SW2	–	Liquid pesticides which present a very wide range of toxic hazard. Miscibility with water depends upon the composition. Toxic if swallowed, by skin contact or by inhalation.	2994
–	T11	TP2 TP13 TP27	F-A, S-A	Category B SW2	–	See entry above.	2994
–	T7	TP2 TP28	F-A, S-A	Category A SW2	–	See entry above.	2994
–	T14	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	It frequently contains petroleum or coal tar distillates, or other flammable liquids. Flashpoint and miscibility with water depend upon the composition. Toxic if swallowed, by skin contact or by inhalation.	2995
–	T11	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	See entry above.	2995
–	T7	TP2 TP28	F-E, S-D	Category A SW2	–	See entry above.	2995

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
2996	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC	6.1	–	I	61 274	0	E5	P001	–	–	–
2996	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC	6.1	–	II	61 274	100 mL	E4	P001	–	IBC02	–
2996	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC	6.1	–	III	61 223 274	5 L	E1	P001 LP01	–	IBC03	–
2997	TRIAZINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	I	61 274	0	E5	P001	–	–	–
2997	TRIAZINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	II	61 274	100 mL	E4	P001	–	IBC02	–
2997	TRIAZINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	III	61 223 274	5 L	E1	P001	–	IBC03	–
2998	TRIAZINE PESTICIDE, LIQUID, TOXIC	6.1	–	I	61 274	0	E5	P001	–	–	–
2998	TRIAZINE PESTICIDE, LIQUID, TOXIC	6.1	–	II	61 274	100 mL	E4	P001	–	IBC02	–
2998	TRIAZINE PESTICIDE, LIQUID, TOXIC	6.1	–	III	61 223 274	5 L	E1	P001 LP01	–	IBC03	–
3005	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	I	61 274	0	E5	P001	–	–	–
3005	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	II	61 274	100 mL	E4	P001	–	IBC02	–
3005	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	III	61 223 274	5 L	E1	P001	–	IBC03	–
3006	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC	6.1	–	I	61 274	0	E5	P001	–	–	–
3006	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC	6.1	–	II	61 274	100 mL	E4	P001	–	IBC02	–
3006	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC	6.1	–	III	61 223 274	5 L	E1	P001 LP01	–	IBC03	–
3009	COPPER BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	I	61 274	0	E5	P001	–	–	–
3009	COPPER BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	II	61 274	100 mL	E4	P001	–	IBC02	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T14	TP2 TP13 TP27	F-A, S-A	Category B SW2	–	Miscibility with water depends upon the composition. Toxic if swallowed, by skin contact or by inhalation.	2996
–	T11	TP2 TP13 TP27	F-A, S-A	Category B SW2	–	See entry above.	2996
–	T7	TP2 TP28	F-A, S-A	Category A SW2	–	See entry above.	2996
–	T14	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	It frequently contains petroleum or coal tar distillates, or other flammable liquids. Flashpoint and miscibility with water depend upon the composition. Toxic if swallowed, by skin contact or by inhalation.	2997
–	T11	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	See entry above.	2997
–	T7	TP2 TP28	F-E, S-D	Category A SW2	–	See entry above.	2997
–	T14	TP2 TP13 TP27	F-A, S-A	Category B SW2	–	See alphabetical index to identify those pesticides which are marine pollutants. Liquid pesticides which present a very wide range of toxic hazard. Miscibility with water depends upon the composition. Toxic if swallowed, by skin contact or by inhalation.	2998
–	T11	TP2 TP13 TP27	F-A, S-A	Category B SW2	–	See entry above.	2998
–	T7	TP2 TP28	F-A, S-A	Category A SW2	–	See entry above.	2998
–	T14	TP2 TP13	F-E, S-D	Category B SW2	–	Liquid flammable pesticides having a flashpoint between 23°C and 60°C c.c., presenting a very wide range of toxic hazard. They frequently contain petroleum or coal tar distillates, or other flammable liquids. Flashpoint and miscibility with water depend upon the composition. Toxic if swallowed, by skin contact or by inhalation.	3005
–	T11	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	See entry above.	3005
–	T7	TP2 TP28	F-E, S-D	Category A SW2	–	See entry above.	3005
–	T14	TP2 TP13	F-A, S-A	Category B SW2	–	Liquid pesticides which present a very wide range of toxic hazard. Miscibility with water depends upon the composition. Toxic if swallowed, by skin contact or by inhalation.	3006
–	T11	TP2 TP13 TP27	F-A, S-A	Category B SW2	–	See entry above.	3006
–	T7	TP2 TP28	F-A, S-A	Category A SW2	–	See entry above.	3006
–	T14	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	Liquid flammable pesticides having a flashpoint between 23°C and 60°C c.c., presenting a very wide range of toxic hazard. They frequently contain petroleum or coal tar distillates, or other flammable liquids. Flashpoint and miscibility with water depend upon the composition. Toxic if swallowed, by skin contact or by inhalation.	3009
–	T11	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	See entry above.	3009

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3009	COPPER BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	III	61 223 274	5 L	E1	P001	–	IBC03	–
3010	COPPER BASED PESTICIDE, LIQUID, TOXIC	6.1	–	I	61 274	0	E5	P001	–	–	–
3010	COPPER BASED PESTICIDE, LIQUID, TOXIC	6.1	–	II	61 274	100 mL	E4	P001	–	IBC02	–
3010	COPPER BASED PESTICIDE, LIQUID, TOXIC	6.1	–	III	61 223 274	5 L	E1	P001 LP01	–	IBC03	–
3011	MERCURY BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3 P	I	61 274	0	E5	P001	–	–	–
3011	MERCURY BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3 P	II	61 274	100 mL	E4	P001	–	IBC02	–
3011	MERCURY BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3 P	III	61 223 274	5 L	E1	P001	–	IBC03	–
3012	MERCURY BASED PESTICIDE, LIQUID, TOXIC	6.1	– P	I	61 274	0	E5	P001	–	–	–
3012	MERCURY BASED PESTICIDE, LIQUID, TOXIC	6.1	– P	II	61 274	100 mL	E4	P001	–	IBC02	–
3012	MERCURY BASED PESTICIDE, LIQUID, TOXIC	6.1	– P	III	61 223 274	5 L	E1	P001 LP01	–	IBC03	–
3013	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	I	61 274	0	E5	P001	–	–	–
3013	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	II	61 274	100 mL	E4	P001	–	IBC02	–
3013	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	III	61 223 274	5 L	E1	P001	–	IBC03	–
3014	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC	6.1	–	I	61 274	0	E5	P001	–	–	–
3014	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC	6.1	–	II	61 274	100 mL	E4	P001	–	IBC02	–
3014	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC	6.1	–	III	61 223 274	5 L	E1	P001 LP01	–	IBC03	–

Portable tanks and bulk containers			EmS (15) 5.4.3.4 7.8	Stowage and handling (16a) 7.1 7.3–7.7	Segregation (16b) 7.2–7.7	Properties and observations (17)	UN No. (18)
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
–	T7	TP2 TP28	F-E, S-D	Category A SW2	–	Liquid flammable pesticides having a flashpoint between 23°C and 60°C c.c., presenting a very wide range of toxic hazard. They frequently contain petroleum or coal tar distillates, or other flammable liquids. Flashpoint and miscibility with water depend upon the composition. Toxic if swallowed, by skin contact or by inhalation.	3009
–	T14	TP2 TP13 TP27	F-A, S-A	Category B SW2	–	Liquid pesticides which present a very wide range of toxic hazard. Miscibility with water depends upon the composition. Toxic if swallowed, by skin contact or by inhalation.	3010
–	T11	TP2 TP13 TP27	F-A, S-A	Category B SW2	–	See entry above.	3010
–	T7	TP2 TP28	F-A, S-A	Category A SW2	–	See entry above.	3010
–	T14	TP2 TP13 TP27	F-E, <u>S-D</u>	Category B SW2	SGG7 SGG11	Liquid flammable pesticides having a flashpoint between 23°C and 60°C c.c., presenting a very wide range of toxic hazard. They frequently contain petroleum or coal tar distillates, or other flammable liquids. Flashpoint and miscibility with water depend upon the composition. Toxic if swallowed, by skin contact or by inhalation.	3011
–	T11	TP2 TP13 TP27	F-E, <u>S-D</u>	Category B SW2	SGG7 SGG11	See entry above.	3011
–	T7	TP2 TP28	F-E, <u>S-D</u>	Category A SW2	SGG7 SGG11	See entry above.	3011
–	T14	TP2 TP13 TP27	F-A, <u>S-A</u>	Category B SW2	SGG7 SGG11	Liquid pesticides which present a very wide range of toxic hazard. Miscibility with water depends upon the composition. Toxic if swallowed, by skin contact or by inhalation.	3012
–	T11	TP2 TP13 TP27	F-A, <u>S-A</u>	Category B SW2	SGG7 SGG11	See entry above.	3012
–	T7	TP2 TP28	F-A, <u>S-A</u>	Category A SW2	SGG7 SGG11	See entry above.	3012
–	T14	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	Liquid flammable pesticides having a flashpoint between 23°C and 60°C c.c., presenting a very wide range of toxic hazard. They frequently contain petroleum or coal tar distillates, or other flammable liquids. Flashpoint and miscibility with water depend upon the composition. Toxic if swallowed, by skin contact or by inhalation.	3013
–	T11	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	See entry above.	3013
–	T7	TP2 TP28	F-E, S-D	Category A SW2	–	See entry above.	3013
–	T14	TP2 TP13 TP27	F-A, S-A	Category B SW2	–	Liquid pesticides which present a very wide range of toxic hazard. Miscibility with water depends upon the composition. Toxic if swallowed, by skin contact or by inhalation.	3014
–	T11	TP2 TP13 TP27	F-A, S-A	Category B SW2	–	See entry above.	3014
–	T7	TP2 TP28	F-A, S-A	Category A SW2	–	See entry above.	3014

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3015	BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	I	61 274	0	E5	P001	–	–	–
3015	BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	II	61 274	100 mL	E4	P001	–	IBC02	–
3015	BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	III	61 223 274	5 L	E1	P001	–	IBC03	–
3016	BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC	6.1	–	I	61 274	0	E5	P001	–	–	–
3016	BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC	6.1	–	II	61 274	100 mL	E4	P001	–	IBC02	–
3016	BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC	6.1	–	III	61 223 274	5 L	E1	P001 LP01	–	IBC03	–
3017	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	I	61 274	0	E5	P001	–	–	–
3017	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	II	61 274	100 mL	E4	P001	–	IBC02	–
3017	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	III	61 223 274	5 L	E1	P001	–	IBC03	–
3018	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC	6.1	–	I	61 274	0	E5	P001	–	–	–
3018	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC	6.1	–	II	61 274	100 mL	E4	P001	–	IBC02	–
3018	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC	6.1	–	III	61 223 274	5 L	E1	P001 LP01	–	IBC03	–
3019	ORGANOTIN PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3 P	I	61 274	0	E5	P001	–	–	–
3019	ORGANOTIN PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3 P	II	61 274	100 mL	E4	P001	–	IBC02	–
3019	ORGANOTIN PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3 P	III	61 223 274	5 L	E1	P001	–	IBC03	–
3020	ORGANOTIN PESTICIDE, LIQUID, TOXIC	6.1	– P	I	61 274	0	E5	P001	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T14	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	Liquid flammable pesticides having a flashpoint between 23°C and 60°C c.c., presenting a very wide range of toxic hazard. They frequently contain petroleum or coal tar distillates, or other flammable liquids. Flashpoint and miscibility with water depend upon the composition. Toxic if swallowed, by skin contact or by inhalation.	3015
–	T11	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	See entry above.	3015
–	T7	TP2 TP28	F-E, S-D	Category A SW2	–	See entry above.	3015
–	T14	TP2 TP13 TP27	F-A, S-A	Category B SW2	–	Liquid pesticides which present a very wide range of toxic hazard. Miscibility with water depends upon the composition. Toxic if swallowed, by skin contact or by inhalation.	3016
–	T11	TP2 TP13 TP27	F-A, S-A	Category B SW2	–	See entry above.	3016
–	T7	TP2 TP28	F-A, S-A	Category A SW2	–	See entry above.	3016
–	T14	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	Liquid flammable pesticides having a flashpoint between 23°C and 60°C c.c., presenting a very wide range of toxic hazard. They frequently contain petroleum or coal tar distillates, or other flammable liquids. Flashpoint and miscibility with water depend upon the composition. Toxic if swallowed, by skin contact or by inhalation.	3017
–	T11	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	See entry above.	3017
–	T7	TP2 TP28	F-E, S-D	Category A SW2	–	See entry above.	3017
–	T14	TP2 TP13 TP27	F-A, S-A	Category B SW2	–	Liquid pesticides which present a very wide range of toxic hazard. Miscibility with water depends upon the composition. Toxic if swallowed, by skin contact or by inhalation.	3018
–	T11	TP2 TP13 TP27	F-A, S-A	Category B SW2	–	See entry above.	3018
–	T7	TP2 TP28	F-A, S-A	Category A SW2	–	See entry above.	3018
–	T14	TP2 TP13 TP27	F-E, <u>S-D</u>	Category B SW2	–	Liquid flammable pesticides having a flashpoint between 23°C and 60°C c.c., presenting a very wide range of toxic hazard. They frequently contain petroleum or coal tar distillates, or other flammable liquids. Flashpoint and miscibility with water depend upon the composition. Toxic if swallowed, by skin contact or by inhalation.	3019
–	T11	TP2 TP13 TP27	F-E, <u>S-D</u>	Category B SW2	–	See entry above.	3019
–	T7	TP2 TP28	F-E, <u>S-D</u>	Category A SW2	–	See entry above.	3019
–	T14	TP2 TP13 TP27	F-A, <u>S-A</u>	Category B SW2	–	Liquid pesticides which present a very wide range of toxic hazard. Miscibility with water depends upon the composition. Toxic if swallowed, by skin contact or by inhalation.	3020

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3020	ORGANOTIN PESTICIDE, LIQUID, TOXIC	6.1	– P	II	61 274	100 mL	E4	P001	–	IBC02	–
3020	ORGANOTIN PESTICIDE, LIQUID, TOXIC	6.1	– P	III	61 223 274	5 L	E1	P001 LP01	–	IBC03	–
3021	PESTICIDE, LIQUID, FLAMMABLE, TOXIC, N.O.S., flashpoint less than 23°C	3	6.1	I	61 274	0	E0	P001	–	–	–
3021	PESTICIDE, LIQUID, FLAMMABLE, TOXIC, N.O.S., flashpoint less than 23°C	3	6.1	II	61 274	1 L	E2	P001	–	IBC02	–
3022	1,2-BUTYLENE OXIDE, STABILIZED	3	–	II	386	1 L	E2	P001	–	IBC02	–
△ 3023	2-METHYL-2-HEPTANETHIOL	6.1	3	I	354	0	E0	P602	–	–	–
3024	COUMARIN DERIVATIVE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	3	6.1	I	61 274	0	E0	P001	–	–	–
3024	COUMARIN DERIVATIVE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	3	6.1	II	61 274	1 L	E2	P001	–	IBC02	–
3025	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	I	61 274	0	E5	P001	–	–	–
3025	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	II	61 274	100 mL	E4	P001	–	IBC02	–
3025	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	III	61 223 274	5 L	E1	P001	–	IBC03	–
3026	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC	6.1	–	I	61 274	0	E5	P001	–	–	–
3026	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC	6.1	–	II	61 274	100 mL	E4	P001	–	IBC02	–
3026	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC	6.1	–	III	61 223 274	5 L	E1	P001 LP01	–	IBC03	–
3027	COUMARIN DERIVATIVE PESTICIDE, SOLID, TOXIC	6.1	–	I	61 274	0	E5	P002	–	IBC07	B1
3027	COUMARIN DERIVATIVE PESTICIDE, SOLID, TOXIC	6.1	–	II	61 274	500 g	E4	P002	–	IBC08	B4 B21
3027	COUMARIN DERIVATIVE PESTICIDE, SOLID, TOXIC	6.1	–	III	61 223 274	5 kg	E1	P002 LP02	–	IBC08	B3

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T11	TP2 TP13 TP27	F-A, <u>S-A</u>	Category B SW2	–	Liquid pesticides which present a very wide range of toxic hazard. Miscibility with water depends upon the composition. Toxic if swallowed, by skin contact or by inhalation.	3020
–	T7	TP2 TP28	F-A, <u>S-A</u>	Category A SW2	–	See entry above.	3020
–	T14	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	Pesticides frequently contain petroleum or coal tar distillates, or other flammable liquids. Miscibility with water depends upon the composition. Toxic if swallowed, by skin contact or by inhalation.	3021
–	T11	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	See entry above.	3021
–	T4	TP1	F-E, S-D	Category C SW1	SG20 SG21	Colourless liquid. Flashpoint: –15°C c.c. Explosive limits: 1.5% to 18.3%. Reacts violently with acids, alkalis and oxidizers. Miscible with water. Harmful if swallowed or by inhalation. Irritating to skin, eyes and mucous membranes.	3022
–	T20	TP2 TP13	F-E, S-D	Category D SW2	SG57	Colourless flammable liquid with a foul odour. Flashpoint: 31°C c.c. Miscible with water. Highly toxic if swallowed, by skin contact or by inhalation.	3023
–	T14	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	Pesticides frequently contain petroleum or coal tar distillates, or other flammable liquids. Miscibility with water depends upon the composition. Toxic if swallowed, by skin contact or by inhalation.	3024
–	T11	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	See entry above.	3024
–	T14	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	Liquid flammable pesticides having a flashpoint between 23°C and 60°C c.c., presenting a very wide range of toxic hazard. They frequently contain petroleum or coal tar distillates, or other flammable liquids. Flashpoint and miscibility with water depend upon the composition. Toxic if swallowed, by skin contact or by inhalation.	3025
–	T11	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	See entry above.	3025
–	T7	TP1 TP28	F-E, S-D	Category A SW2	–	See entry above.	3025
–	T14	TP2 TP13 TP27	F-A, S-A	Category B SW2	–	Liquid pesticides which present a very wide range of toxic hazard. Miscibility with water depends upon the composition. Toxic if swallowed, by skin contact or by inhalation.	3026
–	T11	TP2 TP27	F-A, S-A	Category B SW2	–	See entry above.	3026
–	T7	TP1 TP28	F-A, S-A	Category A SW2	–	See entry above.	3026
–	T6	TP33	F-A, S-A	Category A SW2	–	Solid pesticides present a very wide range of toxic hazard. Toxic if swallowed, by skin contact or by inhalation.	3027
–	T3	TP33	F-A, S-A	Category A SW2	–	See entry above.	3027
–	T1	TP33	F-A, S-A	Category A SW2	–	See entry above.	3027

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3028	BATTERIES, DRY, CONTAINING POTASSIUM HYDROXIDE, SOLID electric storage	8	–	III	295 304	5 kg	E0	P801	–	–	–
3048	ALUMINIUM PHOSPHIDE PESTICIDE	6.1	–	I	153 930	0	E0	P002	PP31	IBC07	B1
3054	CYCLOHEXYL MERCAPTAN	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
3055	2-(2-AMINOETHOXY)ETHANOL	8	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
3056	n-HEPTALDEHYDE	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
3057	TRIFLUOROACETYL CHLORIDE	2.3	8	–	–	0	E0	P200	–	–	–
3064	NITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% but not more than 5% nitroglycerin	3	–	II	359	0	E0	P300	–	–	–
3065	ALCOHOLIC BEVERAGES, with more than 70% alcohol by volume	3	–	II	–	5 L	E2	P001	PP2	IBC02	–
3065	ALCOHOLIC BEVERAGES, with more than 24% but not more than 70% alcohol by volume	3	–	III	144 145 247	5 L	E1	P001	PP2	IBC03	–
3066	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)	8	–	II	163 367	1 L	E2	P001	–	IBC02	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-A, S-B	Category A	SGG18 SG35	Series of metal plates immersed in dry potassium hydroxide in a closed receptacle. When electrically charged, may cause fire through short-circuiting of terminals. Batteries need not be individually marked and labelled if the pallet bears the appropriate mark and label. Used batteries being transported for disposal or reclamation should be carefully checked prior to shipment to ensure the integrity of each battery and its suitability for transport. React violently with acids.	3028
–	T6	TP33	F-A, S-A	Category E SW2 SW5	–	Waxed pellets, adequately stabilized powder, tablets or crystals. Highly toxic if swallowed, by skin contact or by inhalation.	3048
–	T2	TP1	F-E, S-D	Category A SW2	SG50 SG57	Colourless liquid with a garlic-like odour. Flashpoint: 49°C c.c. Immiscible with water. Harmful by inhalation. Irritating to skin, eyes and mucous membranes.	3054
–	T4	TP1	F-A, S-B	Category A	SG35	Colourless, slightly viscous liquid with a mild odour. Miscible with water. Harmful if swallowed or by inhalation. Corrosive to skin, eyes and mucous membranes.	3055
–	T2	TP1	F-E, S-D	Category A	–	Colourless or pale yellow, oily liquid with a pungent odour. Flashpoint: 35°C to 45°C c.c. Explosive limits: 1.1% to 5.2%. Slightly soluble in water. Irritating to skin, eyes and mucous membranes.	3056
–	T50	TP21	F-C, S-U	Category D SW2	–	Liquefied, non-flammable, toxic and corrosive gas. Reacts with water. Corrosive to glass and to most metals, including steel. Heavier than air (1.4 at 20°C). Highly irritating to skin, eyes and mucous membranes.	3057
–	–	–	F-E, S-D	Category E	–	Immiscible with water. Ignites readily. When involved in a fire, evolves toxic nitrous fumes. Not explosive in this state but damage to, or leakage from, a package may allow solvent to evaporate and thus leave the nitroglycerin in an explosive state.	3064
–	T4	TP1	F-E, S-D	Category A	–	Aqueous solutions of ethanol produced and supplied as alcoholic beverages. Miscible with water. Flashpoint: –13°C c.c. or greater.	3065
–	T2	TP1	F-E, S-D	Category A	–	Alcoholic beverages containing more than 24% alcohol but not more than 70% by volume, when transported as part of the manufacturing process, may be transported in wooden barrels with a capacity of more than 250 L and not more than 500 L meeting the general requirements of 4.1.1, as appropriate, on the following conditions: .1 the wooden barrels should be checked and tightened before filling; .2 sufficient ullage (not less than 3%) should be left to allow for the expansion of the liquid; .3 the wooden barrels should be transported with the bungholes pointing upwards; .4 the wooden barrels should be transported in containers meeting the requirements of the <i>International Convention for Safe Containers</i> , 1972 (CSC Convention), as amended. Each wooden barrel should be secured in custom-made cradles and should be wedged by appropriate means to prevent them from being displaced in any way during transport; and .5 when carried on board ships, the containers should be stowed in open cargo spaces or in enclosed cargo spaces complying with the requirements for class 3 flammable liquids with a flashpoint of 23°C c.c. or less in regulation II-2/19 of SOLAS, 74, as amended.	3065
–	T7	TP2 TP28	F-A, S-B	Category B SW2	–	Corrosive content. Causes burns to skin, eyes and mucous membranes.	3066

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3066	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)	8	–	III	163 223 367	5 L	E1	P001	–	IBC03	–
△ 3070	ETHYLENE OXIDE AND DICHLORODIFLUORO-METHANE MIXTURE with not more than 12.5% ethylene oxide	2.2	–	–	392	120 mL	E1	P200	–	–	–
3071	MERCAPTANS, LIQUID, TOXIC, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, TOXIC, FLAMMABLE, N.O.S.	6.1	3	II	274	100 mL	E4	P001	–	IBC02	–
3072	LIFE-SAVING APPLIANCES NOT SELF-INFLATING containing dangerous goods as equipment	9	–	–	296	0	E0	P905	–	–	–
3073	VINYLPYRIDINES, STABILIZED	6.1	3/8	II	386	100 mL	E4	P001	–	IBC01	–
3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.	9	–	III	274 335 966 967 969	5 kg	E1	P002 LP02	PP12	IBC08	B3
3078	CERIUM, turnings or gritty powder	4.3	–	II	–	500 g	E2	P410	PP31 PP40	IBC07	B4 B21
△ 3079	METHACRYLONITRILE, STABILIZED	6.1	3	I	354 386	0	E0	P602	–	–	–
3080	ISOCYANATES, TOXIC, FLAMMABLE, N.O.S or ISOCYANATE SOLUTION, TOXIC, FLAMMABLE, N.O.S.	6.1	3	II	274	100 mL	E4	P001	–	IBC02	–
3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	9	–	III	274 335 969	5 L	E1	P001 LP01	PP1	IBC03	–
3083	PERCHLORYL FLUORIDE	2.3	5.1	–	–	0	E0	P200	–	–	–
3084	CORROSIVE SOLID, OXIDIZING, N.O.S.	8	5.1	I	274	0	E0	P002	–	–	–
3084	CORROSIVE SOLID, OXIDIZING, N.O.S.	8	5.1	II	274	1 kg	E2	P002	–	IBC06	B21

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T4	TP1 TP29	F-A, S-B	Category A SW2	–	Corrosive content. Causes burns to skin, eyes and mucous membranes.	3066
–	T50	–	F-C, S-V	Category A	–	Liquefied, non-flammable gas. Much heavier than air.	3070
–	T11	TP2 TP13 TP27	F-E, S-D	Category C SW2	SG57	Colourless to yellow flammable liquids with a garlic odour. Immiscible with water. Toxic if swallowed, by skin contact or by inhalation.	3071
–	–	–	F-A, S-V	Category A	SG18 SG71	These articles may contain: .1 class 2.2 compressed gases; .2 signal devices (class 1) which may include smoke and illumination signal flares; signal devices must be packed in plastic or fibreboard inner packagings; .3 electric storage batteries; .4 first aid kit; or .5 “strike anywhere” matches.	3072
–	T7	TP2 TP13	F-E, S-C	Category C SW1 SW2	SGG18 SG5 SG8 SG35	Colourless to straw-coloured flammable liquids. Flashpoint: 42°C to 51°C c.c. Toxic if swallowed, by skin contact or by inhalation. Cause burns to skin, eyes and mucous membranes. React violently with acids.	3073
–	T1 BK1 BK2 BK3	TP33	F-A, S-F	Category A SW23	–	–	3077
–	T3	TP33	F-G, S-O	Category E H1	SGG15 SG26 SG35	Grey, ductile metal or powder. Decomposes in water and reacts violently with acids, evolving hydrogen, which may be ignited by the heat of the reaction.	3078
–	T20	TP2 TP13	F-E, S-D	Category D SW1 SW2	–	Colourless, mobile liquid with a pungent odour. Flashpoint: 4°C c.c. Explosive limits: 3% to 17%. Partially miscible with water. Highly toxic if swallowed, by skin contact or by inhalation. Practice has shown that this substance may leak from packagings that ordinarily are leakproof to other chemicals.	3079
–	T11	TP2 TP13 TP27	F-E, S-D	Category D SW1 SW2	–	Flammable liquids or solutions with a pungent odour. Immiscible with or insoluble in water, but react with it to form carbon dioxide. Toxic if swallowed, by skin contact or by inhalation. Irritating to skin, eyes and mucous membranes.	3080
–	T4	TP1 TP29	F-A, S-F	Category A	–	–	3082
–	–	–	F-C, S-W	Category D SW2	–	Non-flammable, toxic, colourless gas with a characteristic sweet odour. Strong oxidizing agent; may cause fire in contact with organic materials. Reacts with water or moist air to produce toxic and corrosive fumes. Mixtures with oils or combustible materials may explode. Much heavier than air (3.6). Irritating to skin, eyes and mucous membranes.	3083
–	T6	TP33	F-A, S-Q	Category C	–	Causes burns to skin, eyes and mucous membranes.	3084
–	T3	TP33	F-A, S-Q	Category C	–	See entry above.	3084

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3085	OXIDIZING SOLID, CORROSIVE, N.O.S.	5.1	8	I	274	0	E0	P503	–	–	–
3085	OXIDIZING SOLID, CORROSIVE, N.O.S.	5.1	8	II	274	1 kg	E2	P002	–	IBC06	B21
3085	OXIDIZING SOLID, CORROSIVE, N.O.S.	5.1	8	III	223 274	5 kg	E1	P002	–	IBC08	B3
3086	TOXIC SOLID, OXIDIZING, N.O.S.	6.1	5.1	I	274	0	E5	P002	–	–	–
3086	TOXIC SOLID, OXIDIZING, N.O.S.	6.1	5.1	II	274	500 g	E4	P002	–	IBC06	B21
3087	OXIDIZING SOLID, TOXIC, N.O.S.	5.1	6.1	I	274 900	0	E0	P503	–	–	–
3087	OXIDIZING SOLID, TOXIC, N.O.S.	5.1	6.1	II	274 900	1 kg	E2	P002	–	IBC06	B21
3087	OXIDIZING SOLID, TOXIC, N.O.S.	5.1	6.1	III	223 274 900	5 kg	E1	P002	–	IBC08	B3
3088	SELF-HEATING SOLID, ORGANIC, N.O.S.	4.2	–	II	274	0	E2	P410	PP31	IBC06	B21
3088	SELF-HEATING SOLID, ORGANIC, N.O.S.	4.2	–	III	223 274	0	E1	P002 LP02	PP31	IBC08	B3
3089	METAL POWDER, FLAMMABLE, N.O.S.	4.1	–	II	–	1 kg	E2	P002	PP100	IBC08	B4 B21
3089	METAL POWDER, FLAMMABLE, N.O.S.	4.1	–	III	223	5 kg	E1	P002	PP100	IBC08	B4 B21
△ 3090	LITHIUM METAL BATTERIES (including lithium alloy batteries)	9	–	–	188 230 310 376 377 384 387	0	E0	P903 P908 P909 P910 P911 LP903 LP904 LP905 LP906	–	–	–
△ 3091	LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT or LITHIUM METAL BATTERIES PACKED WITH EQUIPMENT (including lithium alloy batteries)	9	–	–	188 230 310 360 376 377 384 387 390	0	E0	P903 P908 P909 P910 P911 LP903 LP904 LP905 LP906	–	–	–
3092	1-METHOXY-2-PROPANOL	3	–	III	–	5 L	E1	P001 LP01	–	IBC03	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-A, S-Q	Category D H1	SG38 SG49 SG60	Causes burns to skin, eyes and mucous membranes. Particular care in handling should be exercised if packages have become wetted.	3085
–	T3	TP33	F-A, S-Q	Category B H1	SG38 SG49 SG60	See entry above.	3085
–	T1	TP33	F-A, S-Q	Category B H1	SG38 SG49 SG60	See entry above.	3085
–	T6	TP33	F-A, S-Q	Category C	–	Toxic if swallowed, by skin contact or by inhalation.	3086
–	T3	TP33	F-A, S-Q	Category C	–	See entry above.	3086
–	–	–	F-A, S-Q	Category D	SG38 SG49 SG60	Toxic if swallowed, by skin contact or by dust inhalation. Should be handled with care to minimize exposure, particularly to dust.	3087
–	T3	TP33	F-A, S-Q	Category B	SG38 SG49 SG60	See entry above.	3087
–	T1	TP33	F-A, S-Q	Category B	SG38 SG49 SG60	See entry above.	3087
–	T3	TP33	F-A, S-J	Category C	–	Liable to self-heating or spontaneous combustion.	3088
–	T1	TP33	F-A, S-J	Category C	–	See entry above.	3088
–	T3	TP33	F-G, S-G	Category B H1	SGG7 SGG15 SG17 SG25 SG26	–	3089
–	T1	TP33	F-G, S-G	Category A H1	SGG7 SGG15 SG17 SG25 SG26	–	3089
–	–	–	F-A, S-I	Category A SW19	–	Electrical batteries containing lithium encased in a rigid metallic body. Electrical lithium batteries may cause fire due to an explosive rupture of the body caused by improper construction or reaction with contaminants.	3090
–	–	–	F-A, S-I	Category A SW19	–	Electrical lithium batteries containing lithium encased in a rigid metallic body may cause fire due to an explosive rupture of the body caused by improper construction or reaction with contaminants.	3091
–	T2	TP1	F-E, S-D	Category A	–	Colourless liquid. Flashpoint: 29°C to 35°C c.c. Explosive limits: 1.7% to 11.5%. Miscible with water. Reacts with strong oxidizing substances. Irritating to skin, eyes and mucous membranes.	3092

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3093	CORROSIVE LIQUID, OXIDIZING, N.O.S.	8	5.1	I	274	0	E0	P001	–	–	–
3093	CORROSIVE LIQUID, OXIDIZING, N.O.S.	8	5.1	II	274	1 L	E2	P001	–	IBC02	–
3094	CORROSIVE LIQUID, WATER-REACTIVE, N.O.S.	8	4.3	I	274	0	E0	P001	–	–	–
3094	CORROSIVE LIQUID, WATER-REACTIVE, N.O.S.	8	4.3	II	274	500 mL	E2	P001	–	–	–
3095	CORROSIVE SOLID, SELF-HEATING, N.O.S.	8	4.2	I	274	0	E0	P002	–	–	–
3095	CORROSIVE SOLID, SELF-HEATING, N.O.S.	8	4.2	II	274	1 kg	E2	P002	–	IBC06	B21
3096	CORROSIVE SOLID, WATER-REACTIVE, N.O.S.	8	4.3	I	274	0	E0	P002	–	–	–
3096	CORROSIVE SOLID, WATER-REACTIVE, N.O.S.	8	4.3	II	274	1 kg	E2	P002	PP100	IBC06	B21
△ 3097	FLAMMABLE SOLID, OXIDIZING, N.O.S.	4.1	5.1	II	274 976	0	E0	P099	–	–	–
△ 3097	FLAMMABLE SOLID, OXIDIZING, N.O.S.	4.1	5.1	III	274 976	0	E0	P099	–	–	–
3098	OXIDIZING LIQUID, CORROSIVE, N.O.S.	5.1	8	I	274	0	E0	P502	–	–	–
3098	OXIDIZING LIQUID, CORROSIVE, N.O.S.	5.1	8	II	274	1 L	E2	P504	–	IBC01	–
3098	OXIDIZING LIQUID, CORROSIVE, N.O.S.	5.1	8	III	223 274	5 L	E1	P504	–	IBC02	–
3099	OXIDIZING LIQUID, TOXIC, N.O.S.	5.1	6.1	I	274	0	E0	P502	–	–	–
3099	OXIDIZING LIQUID, TOXIC, N.O.S.	5.1	6.1	II	274	1 L	E2	P504	–	IBC01	–
3099	OXIDIZING LIQUID, TOXIC, N.O.S.	5.1	6.1	III	223 274	5 L	E1	P504	–	IBC02	–
△ 3100	OXIDIZING SOLID, SELF-HEATING, N.O.S.	5.1	4.2	I	274 976	0	E0	P099	–	–	–
△ 3100	OXIDIZING SOLID, SELF-HEATING, N.O.S.	5.1	4.2	II	274 976	0	E0	P099	–	–	–
3101	ORGANIC PEROXIDE TYPE B, LIQUID	5.2	See SP181	–	122 181 195 274	25 mL	E0	P520	–	–	–
3102	ORGANIC PEROXIDE TYPE B, SOLID	5.2	See SP181	–	122 181 195 274	100 g	E0	P520	–	–	–
3103	ORGANIC PEROXIDE TYPE C, LIQUID	5.2	–	–	122 195 274	25 mL	E0	P520	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-A, S-Q	Category C	–	Causes burns to skin, eyes and mucous membranes.	3093
–	–	–	F-A, S-Q	Category C	–	See entry above.	3093
–	–	–	F-G, S-L	Category D H1	SG26	Causes burns to skin, eyes and mucous membranes.	3094
–	–	–	F-G, S-L	Category D H1	SG26	See entry above.	3094
–	T6	TP33	F-A, S-N	Category D	–	Causes burns to skin, eyes and mucous membranes.	3095
–	T3	TP33	F-A, S-N	Category D	–	See entry above.	3095
–	T6	TP33	F-G, S-L	Category D H1	SG26	Causes burns to skin, eyes and mucous membranes.	3096
–	T3	TP33	F-G, S-L	Category D H1	SG26	See entry above.	3096
–	–	–	F-A, S-Q	–	–	–	3097
–	T1	TP33	F-A, S-Q	–	–	–	3097
–	–	–	F-A, S-Q	Category D H1	SG38 SG49 SG60	Causes burns to skin, eyes and mucous membranes. Particular care in handling should be exercised if packages have become wetted.	3098
–	–	–	F-A, S-Q	Category B H1	SG38 SG49 SG60	See entry above.	3098
–	–	–	F-A, S-Q	Category B H1	SG38 SG49 SG60	See entry above.	3098
–	–	–	F-A, S-Q	Category D	SG38 SG49 SG60	Toxic if swallowed, by skin contact or by dust inhalation. Should be handled with care to minimize exposure, particularly to dust.	3099
–	–	–	F-A, S-Q	Category B	SG38 SG49 SG60	See entry above.	3099
–	–	–	F-A, S-Q	Category B	SG38 SG49 SG60	See entry above.	3099
–	–	–	F-A, S-Q	–	–	–	3100
–	–	–	F-A, S-Q	–	–	–	3100
–	–	–	F-J, S-R	Category D SW1	SG1 SG35 SG36 SG72	May explode at elevated temperatures or in a fire. Burns vigorously. Immiscible with water. Contact with the eyes and skin should be avoided. May evolve irritant or toxic fumes.	3101
–	–	–	F-J, S-R	Category D SW1	SG1 SG35 SG36 SG72	May explode at elevated temperatures or in a fire. Burns vigorously. Insoluble in water. Contact with the eyes and skin should be avoided. Addition of water to disuccinic acid peroxide will decrease its thermal stability. May evolve irritant or toxic fumes.	3102
–	–	–	F-J, S-R	Category D SW1	SG35 SG36 SG72	May decompose violently at elevated temperatures or in a fire. Burns vigorously. Immiscible with water except for <i>tert</i> -butyl hydroperoxide. Contact with the eyes and skin should be avoided. May evolve irritant or toxic fumes.	3103

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3104	ORGANIC PEROXIDE TYPE C, SOLID	5.2	–	–	122 195 274	100 g	E0	P520	–	–	–
3105	ORGANIC PEROXIDE TYPE D, LIQUID	5.2	–	–	122 274	125 mL	E0	P520	–	–	–
3106	ORGANIC PEROXIDE TYPE D, SOLID	5.2	–	–	122 274	500 g	E0	P520	–	–	–
3107	ORGANIC PEROXIDE TYPE E, LIQUID	5.2	–	–	122 274	125 mL	E0	P520	–	–	–
3108	ORGANIC PEROXIDE TYPE E, SOLID	5.2	–	–	122 274	500 g	E0	P520	–	–	–
3109	ORGANIC PEROXIDE TYPE F, LIQUID	5.2	–	–	122 274	125 mL	E0	P520	–	IBC520	–
3110	ORGANIC PEROXIDE TYPE F, SOLID	5.2	–	–	122 274	500 g	E0	P520	–	IBC520	–
3111	ORGANIC PEROXIDE TYPE B, LIQUID, TEMPERATURE CONTROLLED	5.2	See SP181	–	122 181 195 274 923	0	E0	P520	–	–	–
3112	ORGANIC PEROXIDE TYPE B, SOLID, TEMPERATURE CONTROLLED	5.2	See SP181	–	122 181 195 274 923	0	E0	P520	–	–	–
3113	ORGANIC PEROXIDE TYPE C, LIQUID, TEMPERATURE CONTROLLED	5.2	–	–	122 195 274 923	0	E0	P520	–	–	–
3114	ORGANIC PEROXIDE TYPE C, SOLID, TEMPERATURE CONTROLLED	5.2	–	–	122 195 274 923	0	E0	P520	–	–	–
3115	ORGANIC PEROXIDE TYPE D, LIQUID, TEMPERATURE CONTROLLED	5.2	–	–	122 274 923	0	E0	P520	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-J, S-R	Category D SW1	SG35 SG36 SG72	May decompose violently at elevated temperatures or in a fire. Burns vigorously. Insoluble in water. Contact with the eyes and skin should be avoided. May evolve irritant or toxic fumes.	3104
–	–	–	F-J, S-R	Category D SW1	SG35 SG36 SG72	Decomposes at elevated temperatures or in a fire. Burns vigorously. Immiscible with water except for acetylacetone peroxide, <i>tert</i> -butyl hydroperoxide and peroxyacetic acid, type D, stabilized. Contact with the eyes and skin should be avoided. May evolve irritant or toxic fumes.	3105
–	–	–	F-J, S-R	Category D SW1	SG35 SG36 SG72	Decomposes at elevated temperatures or in a fire. Burns vigorously. Insoluble in water except for 3-chloroperoxybenzoic acid. Contact with the eyes and skin should be avoided. May evolve irritant or toxic fumes.	3106
–	–	–	F-J, S-R	Category D SW1	SG35 SG36 SG72	Decomposes at elevated temperatures or in a fire. Burns vigorously. Immiscible with water except for <i>tert</i> -amyl hydroperoxide, and <i>tert</i> -butyl hydroperoxide and peroxyacetic acid, type E, stabilized. Contact with the eyes and skin should be avoided. May evolve irritant or toxic fumes.	3107
–	–	–	F-J, S-R	Category D SW1	SG35 SG36 SG72	Decomposes at elevated temperatures or in a fire. Burns vigorously. Insoluble in water. Contact with the eyes and skin should be avoided. May evolve irritant or toxic fumes.	3108
–	T23	–	F-J, S-R	Category D SW1	SG35 SG36 SG72	Decomposes at elevated temperatures or in a fire. Burns vigorously. Immiscible with water except for <i>tert</i> -butyl hydroperoxide; dibenzoyl peroxide; dilauroyl peroxide and peroxyacetic acid, type F, stabilized. Contact with the eyes and skin should be avoided. May evolve irritant or toxic fumes.	3109
–	T23	TP33	F-J, S-R	Category D SW1	SG35 SG36 SG72	Decomposes at elevated temperatures or in a fire. Burns vigorously. Insoluble in water. Contact with the eyes and skin should be avoided. May evolve irritant or toxic fumes.	3110
–	–	–	F-F, S-R	Category D SW1 SW3	SG1 SG35 SG36 SG72	May explode at temperatures higher than the emergency temperature or in a fire. Burns vigorously. Immiscible with water. Contact with the eyes and skin should be avoided. Control and emergency temperatures for each formulation are given in table 2.5.3.2.4. The temperature should be checked regularly. May evolve irritant or toxic fumes.	3111
–	–	–	F-F, S-R	Category D SW1 SW3	SG1 SG35 SG36 SG72	May explode at temperatures higher than the emergency temperature or in a fire. Burns vigorously. Immiscible with water. Contact with the eyes and skin should be avoided. Control and emergency temperatures for each formulation are given in table 2.5.3.2.4. The temperature should be checked regularly. May evolve irritant or toxic fumes.	3112
–	–	–	F-F, S-R	Category D SW1 SW3	SG35 SG36 SG72	May decompose violently at temperatures higher than the emergency temperature or in a fire. Burns vigorously. Immiscible with water. Contact with the eyes and skin should be avoided. Control and emergency temperatures for each formulation are given in table 2.5.3.2.4. The temperature should be checked regularly. May evolve irritant or toxic fumes.	3113
–	–	–	F-F, S-R	Category D SW1 SW3	SG35 SG36 SG72	May decompose violently at temperatures higher than the emergency temperature or in a fire. Burns vigorously. Insoluble in water. Contact with the eyes and skin should be avoided. Control and emergency temperatures for each formulation are given in table 2.5.3.2.4. The temperature should be checked regularly. May evolve irritant or toxic fumes.	3114
–	–	–	F-F, S-R	Category D SW1 SW3	SG35 SG36 SG72	Decomposes at temperatures higher than the emergency temperature or in a fire. Burns vigorously. Immiscible with water. Contact with the eyes and skin should be avoided. Control and emergency temperatures for each formulation are given in table 2.5.3.2.4. The temperature should be checked regularly. May evolve irritant or toxic fumes.	3115

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3116	ORGANIC PEROXIDE TYPE D, SOLID, TEMPERATURE CONTROLLED	5.2	–	–	122 274 923	0	E0	P520	–	–	–
3117	ORGANIC PEROXIDE TYPE E, LIQUID, TEMPERATURE CONTROLLED	5.2	–	–	122 274 923	0	E0	P520	–	–	–
3118	ORGANIC PEROXIDE TYPE E, SOLID, TEMPERATURE CONTROLLED	5.2	–	–	122 274 923	0	E0	P520	–	–	–
3119	ORGANIC PEROXIDE TYPE F, LIQUID, TEMPERATURE CONTROLLED	5.2	–	–	122 274 923	0	E0	P520	–	IBC520	–
3120	ORGANIC PEROXIDE TYPE F, SOLID, TEMPERATURE CONTROLLED	5.2	–	–	122 274 923	0	E0	P520	–	IBC520	–
△ 3121	OXIDIZING SOLID, WATER-REACTIVE, N.O.S.	5.1	4.3	I	274 976	0	E0	P099	–	–	–
△ 3121	OXIDIZING SOLID, WATER-REACTIVE, N.O.S.	5.1	4.3	II	274 976	0	E0	P099	–	–	–
3122	TOXIC LIQUID, OXIDIZING, N.O.S.	6.1	5.1	I	274 315	0	E0	P001	–	–	–
3122	TOXIC LIQUID, OXIDIZING, N.O.S.	6.1	5.1	II	274	100 mL	E4	P001	–	IBC02	–
3123	TOXIC LIQUID, WATER-REACTIVE, N.O.S.	6.1	4.3	I	274 315	0	E0	P099	–	–	–
3123	TOXIC LIQUID, WATER-REACTIVE, N.O.S.	6.1	4.3	II	274	100 mL	E4	P001	–	IBC02	–
3124	TOXIC SOLID, SELF-HEATING, N.O.S.	6.1	4.2	I	274	0	E5	P002	–	–	–
3124	TOXIC SOLID, SELF-HEATING, N.O.S.	6.1	4.2	II	274	0	E4	P002	–	IBC06	B21
3125	TOXIC SOLID, WATER-REACTIVE, N.O.S.	6.1	4.3	I	274	0	E5	P099	–	–	–
3125	TOXIC SOLID, WATER-REACTIVE, N.O.S.	6.1	4.3	II	274	500 g	E4	P002	PP100	IBC06	B21
△ 3126	SELF-HEATING SOLID, CORROSIVE, ORGANIC, N.O.S.	4.2	8	II	274	0	E2	P410	–	IBC05	B21

Portable tanks and bulk containers			EmS (15) 5.4.3.4 7.8	Stowage and handling (16a) 7.1 7.3–7.7	Segregation (16b) 7.2–7.7	Properties and observations (17)	UN No. (18)
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
–	–	–	F-F, S-R	Category D SW1 SW3	SG35 SG36 SG72	Decomposes at temperatures higher than the emergency temperature or in a fire. Burns vigorously. Insoluble in water except for diperoxyazelaic acid. Contact with the eyes and skin should be avoided. Control and emergency temperatures for each formulation are given in table 2.5.3.2.4. The temperature should be checked regularly. May evolve irritant or toxic fumes.	3116
–	–	–	F-F, S-R	Category D SW1 SW3	SG35 SG36 SG72	Decomposes at temperatures higher than the emergency temperature or in a fire. Burns vigorously. Immiscible with water. Contact with the eyes and skin should be avoided. Control and emergency temperatures for each formulation are given in table 2.5.3.2.4. The temperature should be checked regularly. May evolve irritant or toxic fumes.	3117
–	–	–	F-F, S-R	Category D SW1 SW3	SG35 SG36 SG72	Decomposes at temperatures higher than the emergency temperature or in a fire. Burns vigorously. Insoluble in water except for di-(2-ethylhexyl) peroxydicarbonate. Contact with the eyes and skin should be avoided. Control and emergency temperatures for each formulation are given in table 2.5.3.2.4. The temperature should be checked regularly. May evolve irritant or toxic fumes.	3118
–	T23	–	F-F, S-R	Category D SW1 SW3	SG35 SG36 SG72	Decomposes at temperatures higher than the emergency temperature or in a fire. Burns vigorously. Immiscible with water except for di-(4- <i>tert</i> -butylcyclohexyl) peroxydicarbonate, dicetyl peroxydicarbonate and dimyristyl peroxydicarbonate. Contact with the eyes and skin should be avoided. Control and emergency temperatures for each formulation are given in table 2.5.3.2.4. The temperature should be checked regularly. May evolve irritant or toxic fumes.	3119
–	T23	TP33	F-F, S-R	Category D SW1 SW3	SG35 SG36 SG72	Decomposes at temperatures higher than the emergency temperature or in a fire. Burns vigorously. Insoluble in water. Contact with the eyes and skin should be avoided. Control and emergency temperatures for each formulation are given in the table 2.5.3.2.4. The temperature should be checked regularly. May evolve irritant or toxic fumes.	3120
–	–	–	F-G, S-L	H1	SG26	–	3121
–	–	–	F-G, S-L	H1	SG26	–	3121
–	–	–	F-A, S-Q	Category C	–	Toxic if swallowed, by skin contact or by inhalation.	3122
–	–	–	F-A, S-Q	Category C	–	See entry above.	3122
–	–	–	F-G, S-N	Category D SW2 H1	SG26	Toxic if swallowed, by skin contact or by inhalation.	3123
–	–	–	F-G, S-N	Category D SW2 H1	SG26	See entry above.	3123
–	T6	TP33	F-A, S-J	Category D SW2	–	Highly toxic if swallowed, by skin contact or by inhalation.	3124
–	T3	TP33	F-A, S-J	Category D SW2	–	See entry above.	3124
–	T6	TP33	F-G, S-N	Category D SW2 H1	SG26	Toxic if swallowed, by skin contact or by inhalation.	3125
–	T3	TP33	F-G, S-N	Category D SW2 H1	SG26	See entry above.	3125
–	T3	TP33	F-A, S-J	Category C	–	–	3126

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
△ 3126	SELF-HEATING SOLID, CORROSIVE, ORGANIC, N.O.S.	4.2	8	III	223 274	0	E1	P002	–	IBC08	B3
△ 3127	SELF-HEATING SOLID, OXIDIZING, N.O.S.	4.2	5.1	II	274 976	0	E0	P099	–	–	–
△ 3127	SELF-HEATING SOLID, OXIDIZING, N.O.S.	4.2	5.1	III	223 274 976	0	E0	P099	–	–	–
△ 3128	SELF-HEATING SOLID, TOXIC, ORGANIC, N.O.S.	4.2	6.1	II	274	0	E2	P410	–	IBC05	B21
△ 3128	SELF-HEATING SOLID, TOXIC, ORGANIC, N.O.S.	4.2	6.1	III	223 274	0	E1	P002	–	IBC08	B3
△ 3129	WATER-REACTIVE LIQUID, CORROSIVE, N.O.S.	4.3	8	I	274	0	E0	P402	–	–	–
△ 3129	WATER-REACTIVE LIQUID, CORROSIVE, N.O.S.	4.3	8	II	274	0	E0	P402	–	IBC01	–
△ 3129	WATER-REACTIVE LIQUID, CORROSIVE, N.O.S.	4.3	8	III	223 274	0	E1	P001	–	IBC02	–
△ 3130	WATER-REACTIVE LIQUID, TOXIC, N.O.S.	4.3	6.1	I	274	0	E0	P402	–	–	–
△ 3130	WATER-REACTIVE LIQUID, TOXIC, N.O.S.	4.3	6.1	II	274	0	E0	P402	–	IBC01	–
△ 3130	WATER-REACTIVE LIQUID, TOXIC, N.O.S.	4.3	6.1	III	223 274	0	E1	P001	–	IBC02	–
△ 3131	WATER-REACTIVE SOLID, CORROSIVE, N.O.S.	4.3	8	I	274	0	E0	P403	PP31	–	–
△ 3131	WATER-REACTIVE SOLID, CORROSIVE, N.O.S.	4.3	8	II	274	0	E2	P410	PP31 PP40	IBC06	B21
△ 3131	WATER-REACTIVE SOLID, CORROSIVE, N.O.S.	4.3	8	III	223 274	0	E1	P410	PP31	IBC08	B4
△ 3132	WATER-REACTIVE SOLID, FLAMMABLE, N.O.S.	4.3	4.1	I	274	0	E0	P403	PP31	IBC99	–
△ 3132	WATER-REACTIVE SOLID, FLAMMABLE, N.O.S.	4.3	4.1	II	274	0	E2	P410	PP31 PP40	IBC04	–
△ 3132	WATER-REACTIVE SOLID, FLAMMABLE, N.O.S.	4.3	4.1	III	223 274	0	E1	P410	PP31	IBC06	–
△ 3133	WATER-REACTIVE SOLID, OXIDIZING, N.O.S.	4.3	5.1	II	274 976	0	E0	P099	–	–	–
△ 3133	WATER-REACTIVE SOLID, OXIDIZING, N.O.S.	4.3	5.1	III	223 274 976	0	E0	P099	–	–	–
3134	WATER-REACTIVE SOLID, TOXIC, N.O.S.	4.3	6.1	I	274	0	E0	P403	PP31	–	–
3134	WATER-REACTIVE SOLID, TOXIC, N.O.S.	4.3	6.1	II	274	500 g	E2	P410	PP31 PP40	IBC05	B21

Portable tanks and bulk containers			EmS (15) 5.4.3.4 7.8	Stowage and handling (16a) 7.1 7.3–7.7	Segregation (16b) 7.2–7.7	Properties and observations (17)	UN No. (18)
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
–	T1	TP33	F-A, S-J	Category C	–	–	3126
–	T3	TP33	F-A, S-J	–	–	–	3127
–	T1	TP33	F-A, S-J	–	–	–	3127
–	T3	TP33	F-A, S-J	Category C	–	–	3128
–	T1	TP33	F-A, S-J	Category C	–	–	3128
–	T14	TP2 TP7 TP13	<u>F-G</u> , S-N	Category D H1	SG26	–	3129
–	T11	TP2 TP7	F-G, S-N	Category E SW5 H1	SG26	–	3129
–	T7	TP2 TP7	F-G, S-N	Category E SW5 H1	SG26	–	3129
–	–	–	<u>F-G</u> , S-N	Category D H1	SG26	–	3130
–	–	–	F-G, S-N	Category E SW5 H1	SG26	–	3130
–	–	–	F-G, S-N	Category E SW5 H1	SG26	–	3130
–	T9	TP7 TP33	<u>F-G</u> , S-L	Category D H1	SG26	–	3131
–	T3	TP33	F-G, S-L	Category E SW5 H1	SG26	–	3131
–	T1	TP33	F-G, S-L	Category E SW5 H1	SG26	–	3131
–	–	–	<u>F-G</u> , S-N	Category D H1	SG26	–	3132
–	T3	TP33	F-G, S-N	Category E SW5 H1	SG26	–	3132
–	T1	TP33	F-G, S-N	Category E SW5 H1	SG26	–	3132
–	–	–	F-G, S-L	H1	SG26	–	3133
–	–	–	F-G, S-L	H1	SG26	–	3133
–	–	–	<u>F-G</u> , S-N	Category D H1	SG26	–	3134
–	T3	TP33	F-G, S-N	Category E SW5 H1	SG26	–	3134

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3134	WATER-REACTIVE SOLID, TOXIC, N.O.S.	4.3	6.1	III	223 274	1 kg	E1	P410	PP31	IBC08	B4
△ 3135	WATER-REACTIVE SOLID, SELF-HEATING, N.O.S.	4.3	4.2	I	274	0	E0	P403	PP31	–	–
△ 3135	WATER-REACTIVE SOLID, SELF-HEATING, N.O.S.	4.3	4.2	II	274	0	E2	P410	PP31	IBC05	B21
△ 3135	WATER-REACTIVE SOLID, SELF-HEATING, N.O.S.	4.3	4.2	III	223 274	0	E1	P410	PP31	IBC08	B4
3136	TRIFLUOROMETHANE, REFRIGERATED LIQUID	2.2	–	–	–	120 mL	E1	P203	–	–	–
△ 3137	OXIDIZING SOLID, FLAMMABLE, N.O.S.	5.1	4.1	I	274 976	0	E0	P099	–	–	–
3138	ETHYLENE, ACETYLENE AND PROPYLENE MIXTURE, REFRIGERATED LIQUID containing at least 71.5% ethylene, with not more than 22.5% acetylene and not more than 6% propylene	2.1	–	–	–	0	E0	P203	–	–	–
3139	OXIDIZING LIQUID, N.O.S.	5.1	–	I	274	0	E0	P502	–	–	–
3139	OXIDIZING LIQUID, N.O.S.	5.1	–	II	274	1 L	E2	P504	–	IBC02	–
3139	OXIDIZING LIQUID, N.O.S.	5.1	–	III	223 274	5 L	E1	P504	–	IBC02	–
3140	ALKALOIDS, LIQUID, N.O.S. or ALKALOIDS SALTS, LIQUID, N.O.S.	6.1	–	I	43 274	0	E5	P001	–	–	–
3140	ALKALOIDS, LIQUID, N.O.S. or ALKALOIDS SALTS, LIQUID, N.O.S.	6.1	–	II	43 274	100 mL	E4	P001	–	IBC02	–
3140	ALKALOIDS, LIQUID, N.O.S. or ALKALOIDS SALTS, LIQUID, N.O.S.	6.1	–	III	43 223 274	5 L	E1	P001 LP01	–	IBC03	–
3141	ANTIMONY COMPOUND, INORGANIC, LIQUID, N.O.S.	6.1	–	III	45 274	5 L	E1	P001 LP01	–	IBC03	–
3142	DISINFECTANT, LIQUID, TOXIC, N.O.S.	6.1	–	I	274	0	E5	P001	–	–	–
3142	DISINFECTANT, LIQUID, TOXIC, N.O.S.	6.1	–	II	274	100 mL	E4	P001	–	IBC02	–
3142	DISINFECTANT, LIQUID, TOXIC, N.O.S.	6.1	–	III	223 274	5 L	E1	P001 LP01	–	IBC03	–
3143	DYE, SOLID, TOXIC, N.O.S. or DYE INTERMEDIATE, SOLID, TOXIC, N.O.S.	6.1	–	I	274	0	E5	P002	–	IBC07	B1
3143	DYE, SOLID, TOXIC, N.O.S. or DYE INTERMEDIATE, SOLID, TOXIC, N.O.S.	6.1	–	II	274	500 g	E4	P002	–	IBC08	B4 B21

Portable tanks and bulk containers			EmS (15) 5.4.3.4 7.8	Stowage and handling (16a) 7.1 7.3–7.7	Segregation (16b) 7.2–7.7	Properties and observations (17)	UN No. (18)
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
–	T1	TP33	F-G, S-N	Category E SW5 H1	SG26	–	3134
–	–	–	F-G, S-N	Category D H1	SG26	–	3135
–	T3	TP33	F-G, S-N	Category E SW5 H1	SG26	–	3135
–	T1	TP33	F-G, S-N	Category E SW5 H1	SG26	–	3135
–	T75	TP5	F-C, S-V	Category D	–	Liquefied, non-flammable gas. Much heavier than air (2.4).	3136
–	–	–	F-G, S-Q	H1	SG25 SG26	–	3137
–	T75	TP5	F-D, S-U	Category D SW2	SG46	Liquefied, flammable, colourless mixture of gases with a garlic odour. Explosive limits: 2.7% to 36%. Lighter than air (0.96).	3138
–	–	–	F-A, S-Q	Category D	SG38 SG49 SG60	–	3139
–	–	–	F-A, S-Q	Category B	SG38 SG49 SG60	–	3139
–	–	–	F-A, S-Q	Category B	SG38 SG49 SG60	–	3139
–	–	–	F-A, S-A	Category A	–	A wide range of toxic liquids, generally of vegetable origin. Toxic if swallowed, by skin contact or by inhalation.	3140
–	–	–	F-A, S-A	Category A	–	See entry above.	3140
–	–	–	F-A, S-A	Category A	–	See entry above.	3140
–	–	–	F-A, S-A	Category A	–	A wide range of toxic liquids. Toxic if swallowed, by skin contact or by inhalation.	3141
–	–	–	F-A, S-A	Category A SW2	–	A wide range of toxic liquids. Toxic if swallowed, by skin contact or by inhalation.	3142
–	–	–	F-A, S-A	Category A SW2	–	See entry above.	3142
–	–	–	F-A, S-A	Category A SW2	–	See entry above.	3142
–	T6	TP33	F-A, S-A	Category A	–	A wide range of toxic solids. Toxic if swallowed, by skin contact or by inhalation.	3143
–	T3	TP33	F-A, S-A	Category A	–	See entry above.	3143

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3143	DYE, SOLID, TOXIC, N.O.S. or DYE INTERMEDIATE, SOLID, TOXIC, N.O.S.	6.1	–	III	223 274	5 kg	E1	P002 LP02	–	IBC08	B3
3144	NICOTINE COMPOUND, LIQUID, N.O.S. or NICOTINE PREPARATION, LIQUID, N.O.S.	6.1	–	I	43 274	0	E5	P001	–	–	–
3144	NICOTINE COMPOUND, LIQUID, N.O.S. or NICOTINE PREPARATION, LIQUID, N.O.S.	6.1	–	II	43 274	100 mL	E4	P001	–	IBC02	–
3144	NICOTINE COMPOUND, LIQUID, N.O.S. or NICOTINE PREPARATION, LIQUID, N.O.S.	6.1	–	III	43 223 274	5 L	E1	P001 LP01	–	IBC03	–
3145	ALKYLPHENOLS, LIQUID, N.O.S. (including C ₂ –C ₁₂ homologues)	8	–	I	–	0	E0	P001	–	–	–
3145	ALKYLPHENOLS, LIQUID, N.O.S. (including C ₂ –C ₁₂ homologues)	8	–	II	–	1 L	E2	P001	–	IBC02	–
3145	ALKYLPHENOLS, LIQUID, N.O.S. (including C ₂ –C ₁₂ homologues)	8	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
3146	ORGANOTIN COMPOUND, SOLID, N.O.S.	6.1	– P	I	43 274	0	E5	P002	–	IBC07	B1
3146	ORGANOTIN COMPOUND, SOLID, N.O.S.	6.1	– P	II	43 274	500 g	E4	P002	–	IBC08	B4 B21
3146	ORGANOTIN COMPOUND, SOLID, N.O.S.	6.1	– P	III	43 223 274	5 kg	E1	P002 LP02	–	IBC08	B3
3147	DYE, SOLID, CORROSIVE, N.O.S. or DYE INTERMEDIATE, SOLID, CORROSIVE, N.O.S.	8	–	I	274	0	E0	P002	–	IBC07	B1
3147	DYE, SOLID, CORROSIVE, N.O.S. or DYE INTERMEDIATE, SOLID, CORROSIVE, N.O.S.	8	–	II	274	1 kg	E2	P002	–	IBC08	B4 B21
3147	DYE, SOLID, CORROSIVE, N.O.S. or DYE INTERMEDIATE, SOLID, CORROSIVE, N.O.S.	8	–	III	223 274	5 kg	E1	P002 LP02	–	IBC08	B3
△ 3148	WATER-REACTIVE LIQUID, N.O.S.	4.3	–	I	274	0	E0	P402	PP31	–	–
3148	WATER-REACTIVE LIQUID, N.O.S.	4.3	–	II	274	500 mL	E2	P402	PP31	IBC01	–
3148	WATER-REACTIVE LIQUID, N.O.S.	4.3	–	III	223 274	1 L	E1	P001	PP31	IBC02	–
3149	HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE with acid(s), water and not more than 5% peroxyacetic acid, STABILIZED	5.1	8	II	196	1 L	E2	P504	PP10	IBC02	B5
3150	DEVICES, SMALL, HYDROCARBON GAS POWERED or HYDROCARBON GAS REFILLS FOR SMALL DEVICES with release device	2.1	–	–	–	0	E0	P003	–	–	–

Portable tanks and bulk containers			EmS (15) 5.4.3.4 7.8	Stowage and handling (16a) 7.1 7.3–7.7	Segregation (16b) 7.2–7.7	Properties and observations (17)	UN No. (18)
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
–	T1	TP33	F-A, S-A	Category A	–	A wide range of toxic solids. Toxic if swallowed, by skin contact or by inhalation.	3143
–	–	–	F-A, S-A	Category B SW2	–	A wide variety of toxic liquids. Toxic if swallowed, by skin contact or by inhalation.	3144
–	–	–	F-A, S-A	Category B SW2	–	See entry above.	3144
–	–	–	F-A, S-A	Category B SW2	–	See entry above.	3144
–	T14	TP2	F-A, S-B	Category B	–	A wide range of colourless to pale straw-coloured liquids with penetrating odours (sometimes camphor-like). Liquids slightly miscible with water. Cause burns to skin, eyes and mucous membranes.	3145
–	T11	TP2 TP27	F-A, S-B	Category B	–	See entry above.	3145
–	T7	TP1 TP28	F-A, S-B	Category A	–	See entry above.	3145
–	T6	TP33	F-A, <u>S-A</u>	Category B SW2	–	A wide variety of toxic solids. Toxic if swallowed, by skin contact or by inhalation.	3146
–	T3	TP33	F-A, <u>S-A</u>	Category A SW2	–	See entry above.	3146
–	T1	TP33	F-A, <u>S-A</u>	Category A SW2	–	See entry above.	3146
–	T6	TP33	F-A, S-B	Category A	–	A wide range of corrosive solids or pastes. Cause burns to skin, eyes and mucous membranes.	3147
–	T3	TP33	F-A, S-B	Category A	–	See entry above.	3147
–	T1	TP33	F-A, S-B	Category A	–	See entry above.	3147
–	T13	TP2 TP7	<u>F-G</u> , S-N	Category E SW2 H1	SG26	–	3148
–	T7	TP2 TP7	F-G, S-N	Category E SW2 H1	SG26	–	3148
–	T7	TP2 TP7	F-G, S-N	Category E SW2 H1	SG26	–	3148
–	T7	TP2 TP6 TP24	F-H, S-Q	Category D SW1	SGG16 SG16 SG59 SG72	Colourless liquid. Carried as an aqueous solution. Slowly decomposes, evolving oxygen; the rate of decomposition increases on contact with most metals. In contact with combustible material, may cause fire. Causes burns to skin, eyes and mucous membranes. Even though stabilized, these solutions may evolve oxygen.	3149
–	–	–	F-D, S-U	Category B SW2	–	Various small devices used for cosmetic and other purposes, and their refills.	3150

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3151	POLYHALOGENATED BIPHENYLS, LIQUID or HALOGENATED MONOMETHYL-DIPHENYLMETHANES, LIQUID or POLYHALOGENATED TERPHENYLS, LIQUID	9	– P	II	203 305	1 L	E2	P906	–	IBC02	–
3152	POLYHALOGENATED BIPHENYLS, SOLID or HALOGENATED MONOMETHYL-DIPHENYLMETHANES, SOLID or POLYHALOGENATED TERPHENYLS, SOLID	9	– P	II	203 305 958	1 kg	E2	P906	–	IBC08	B4 B21
3153	PERFLUORO(METHYL VINYL ETHER)	2.1	–	–	–	0	E0	P200	–	–	–
3154	PERFLUORO(ETHYL VINYL ETHER)	2.1	–	–	–	0	E0	P200	–	–	–
3155	PENTACHLOROPHENOL	6.1	– P	II	43	500 g	E4	P002	–	IBC08	B4 B21
3156	COMPRESSED GAS, OXIDIZING, N.O.S.	2.2	5.1	–	274	0	E0	P200	–	–	–
3157	LIQUEFIED GAS, OXIDIZING, N.O.S.	2.2	5.1	–	274	0	E0	P200	–	–	–
3158	GAS, REFRIGERATED LIQUID, N.O.S.	2.2	–	–	274	120 mL	E1	P203	–	–	–
3159	1,1,1,2-TETRAFLUOROETHANE (REFRIGERANT GAS R 134a)	2.2	–	–	–	120 mL	E1	P200	–	–	–
3160	LIQUEFIED GAS, TOXIC, FLAMMABLE, N.O.S.	2.3	2.1	–	274	0	E0	P200	–	–	–
3161	LIQUEFIED GAS, FLAMMABLE, N.O.S.	2.1	–	–	274	0	E0	P200	–	–	–
3162	LIQUEFIED GAS, TOXIC, N.O.S.	2.3	–	–	274	0	E0	P200	–	–	–
△ 3163	LIQUEFIED GAS, N.O.S.	2.2	–	–	274 392	120 mL	E1	P200	–	–	–
△ 3164	ARTICLES, PRESSURIZED, PNEUMATIC or HYDRAULIC (containing non-flammable gas)	2.2	–	–	283 371	120 mL	E0	P003	PP32	–	–
3165	AIRCRAFT HYDRAULIC POWER UNIT FUEL TANK (containing a mixture of anhydrous hydrazine and methylhydrazine) (M86 fuel)	3	6.1/8	I	–	0	E0	P301	–	–	–
3166	VEHICLE, FLAMMABLE GAS POWERED or VEHICLE, FLAMMABLE LIQUID POWERED or VEHICLE, FUEL CELL, FLAMMABLE GAS POWERED or VEHICLE, FUEL CELL, FLAMMABLE LIQUID POWERED	9	–	–	356 388 961 962	–	–	–	–	–	–
3167	GAS SAMPLE, NON-PRESSURIZED, FLAMMABLE, N.O.S., not refrigerated liquid	2.1	–	–	209	0	E0	P201	–	–	–
3168	GAS SAMPLE, NON-PRESSURIZED, TOXIC, FLAMMABLE, N.O.S., not refrigerated liquid	2.3	2.1	–	209	0	E0	P201	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-A, <u>S-A</u>	Category A	SG50	Viscous liquids with a perceptible odour. Harmful by ingestion or by skin contact. This entry also covers articles, such as transformers and condensers, containing free liquid polyhalogenated biphenyls or polyhalogenated terphenyls.	3151
–	T3	TP33	F-A, <u>S-A</u>	Category A	SG50	Solid with a perceptible odour. Melting point of solids varies from 2°C to 164°C. Harmful by ingestion or by skin contact. This entry also covers articles, such as rags, cotton waste, clothing or sawdust, containing polyhalogenated biphenyls or polyhalogenated terphenyls where no free visible liquid is present.	3152
–	T50	–	F-D, S-U	Category E SW2	–	Explosive limits: 7% to 73%. Much heavier than air (4.8). Boiling point: –27°C.	3153
–	–	–	F-D, S-U	Category E SW2	–	Explosive limits: 7% to 73%. Much heavier than air (6.4). Boiling point: 12°C.	3154
–	T3	TP33	F-A, <u>S-A</u>	Category A	–	Toxic if swallowed, by skin contact or by dust inhalation.	3155
–	–	–	<u>F-C</u> , S-W	Category D	–	–	3156
–	–	–	<u>F-C</u> , S-W	Category D	–	–	3157
–	T75	TP5	F-C, S-V	Category D	–	–	3158
–	T50	–	F-C, S-V	Category A	–	Non-flammable gas with a mild ether-like odour. Much heavier than air (3.5).	3159
–	–	–	<u>F-D</u> , S-U	Category D SW2	–	–	3160
–	T50	–	F-D, S-U	Category D SW2	–	–	3161
–	–	–	F-C, S-U	Category D SW2	–	–	3162
–	T50	–	F-C, S-V	Category A	–	–	3163
–	–	–	F-C, S-V	Category A	–	Articles containing non-flammable, non-toxic gas necessary for their operation.	3164
–	–	–	F-E, S-C	Category D SW2	SG5 SG8 SG13	The mixture is miscible with water and may react dangerously with oxidizing substances. The mixture is highly toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	3165
–	–	–	*	Category A	–	Types of articles transported under this entry include, but are not limited to motor vehicles, hybrid vehicles, fuel cell powered vehicles, motorcycles and boats. *F-D, S-U for gases or F-E, S-E for liquids.	3166
–	–	–	F-D, S-U	Category D	–	–	3167
–	–	–	F-D, S-U	Category D	–	–	3168

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3169	GAS SAMPLE, NON-PRESSURIZED, TOXIC, N.O.S., not refrigerated liquid	2.3	–	–	209	0	E0	P201	–	–	–
3170	ALUMINIUM SMELTING BY-PRODUCTS or ALUMINIUM REMELTING BY-PRODUCTS	4.3	–	II	244	500 g	E2	P410	PP31 PP40	IBC07	B4 B21
3170	ALUMINIUM SMELTING BY-PRODUCTS or ALUMINIUM REMELTING BY-PRODUCTS	4.3	–	III	223 244	1 kg	E1	P002	PP31	IBC08	B4
3171	BATTERY-POWERED VEHICLE or BATTERY-POWERED EQUIPMENT	9	–	–	388 961 962 971	–	–	–	–	–	–
3172	TOXINS, EXTRACTED FROM LIVING SOURCES, LIQUID, N.O.S.	6.1	–	I	210 274	0	E5	P001	–	–	–
3172	TOXINS, EXTRACTED FROM LIVING SOURCES, LIQUID, N.O.S.	6.1	–	II	210 274	100 mL	E4	P001	–	IBC02	–
3172	TOXINS, EXTRACTED FROM LIVING SOURCES, LIQUID, N.O.S.	6.1	–	III	210 223 274	5 L	E1	P001 LP01	–	IBC03	–
3174	TITANIUM DISULPHIDE	4.2	–	III	–	0	E1	P002 LP02	PP31	IBC08	B3
3175	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.	4.1	–	II	216 274	1 kg	E2	P002	PP9	IBC06	B21
3176	FLAMMABLE SOLID, ORGANIC, MOLTEN, N.O.S.	4.1	–	II	274	0	E0	–	–	–	–
3176	FLAMMABLE SOLID, ORGANIC, MOLTEN, N.O.S.	4.1	–	III	223 274	0	E0	–	–	–	–
3178	FLAMMABLE SOLID, INORGANIC, N.O.S.	4.1	–	II	274	1 kg	E2	P002	–	IBC08	B4 B21
3178	FLAMMABLE SOLID, INORGANIC, N.O.S.	4.1	–	III	223 274	5 kg	E1	P002 LP02	–	IBC08	B3
3179	FLAMMABLE SOLID, TOXIC, INORGANIC, N.O.S.	4.1	6.1	II	274	1 kg	E2	P002	–	IBC06	B21
3179	FLAMMABLE SOLID, TOXIC, INORGANIC, N.O.S.	4.1	6.1	III	223 274	5 kg	E1	P002	–	IBC06	–
3180	FLAMMABLE SOLID, CORROSIVE, INORGANIC, N.O.S.	4.1	8	II	274	1 kg	E2	P002	–	IBC06	B21
3180	FLAMMABLE SOLID, CORROSIVE, INORGANIC, N.O.S.	4.1	8	III	223 274	5 kg	E1	P002	–	IBC06	–
3181	METAL SALTS OF ORGANIC COMPOUNDS, FLAMMABLE, N.O.S.	4.1	–	II	274	1 kg	E2	P002	PP31	IBC08	B4 B21
3181	METAL SALTS OF ORGANIC COMPOUNDS, FLAMMABLE, N.O.S.	4.1	–	III	223 274	5 kg	E1	P002 LP02	PP31	IBC08	B3
3182	METAL HYDRIDES, FLAMMABLE, N.O.S.	4.1	–	II	274	1 kg	E2	P410	PP31 PP40	IBC04	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-C, S-U	Category D	–	–	3169
–	T3 BK2	TP33	F-G, S-P	Category B SW5 H1	SGG15 SG26	Grey powder or lumps with some metallic inclusions. Contact with water may cause heating with possible evolution of flammable and toxic gases such as hydrogen and ammonia. This entry includes e.g. aluminium dross, aluminium skimmings, spent cathodes, spent potliner and aluminium salt slags.	3170
–	T1 BK2	TP33	F-G, S-P	Category B SW5 H1	SGG15 SG26	See entry above.	3170
–	–	–	F-A, S-I	Category A	–	Types of articles transported under this entry include vehicles or equipment powered by wet batteries, sodium batteries or lithium batteries with the batteries installed, such as electrically-powered cars, lawnmowers, wheelchairs and other mobility aids.	3171
–	–	–	F-A, S-A	Category B	–	Toxins from plant, animal or bacterial sources which contain infectious substances or toxins that are contained in infectious substances should be classified in class 6.2. Toxic if swallowed, by skin contact or by inhalation.	3172
–	–	–	F-A, S-A	Category B	–	See entry above.	3172
–	–	–	F-A, S-A	Category A	–	See entry above.	3172
–	T1	TP33	F-A, S-J	Category A	SGG7	Yellow or grey powder with an unpleasant odour. In contact with water slowly evolves hydrogen sulphide gas.	3174
–	T3 BK2	TP33	F-A, S-I	Category B	–	Mixtures of non-dangerous solids (such as soil, sand, production materials, etc.) and flammable liquids.	3175
–	T3	TP3 TP26	F-A, S-H	Category C	–	Shipped molten above its melting point.	3176
–	T1	TP3 TP26	F-A, S-H	Category C	–	See entry above.	3176
–	T3	TP33	F-A, S-G	Category B	–	–	3178
–	T1	TP33	F-A, S-G	Category B	–	–	3178
–	T3	TP33	F-A, S-G	Category B SW2	–	Toxic if swallowed, by skin contact or by dust inhalation. Should be handled with care to minimize exposure, particularly to dust.	3179
–	T1	TP33	F-A, S-G	Category B SW2	–	See entry above.	3179
–	T3	TP33	F-A, S-G	Category D SW2	–	Causes burns to skin, eyes and mucous membranes.	3180
–	T1	TP33	F-A, S-G	Category D SW2	–	See entry above.	3180
–	T3	TP33	F-A, S-I	Category B SW2	SGG7	Decomposes in water. Liable to spontaneous heating. Irritating to skin and mucous membranes.	3181
–	T1	TP33	F-A, S-I	Category B SW2	SGG7	See entry above.	3181
–	T3	TP33	F-A, S-G	Category E	–	–	3182

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3182	METAL HYDRIDES, FLAMMABLE, N.O.S.	4.1	–	III	223 274	5 kg	E1	P002	PP31	IBC04	–
3183	SELF-HEATING LIQUID, ORGANIC, N.O.S.	4.2	–	II	274	0	E2	P001	PP31	IBC02	–
3183	SELF-HEATING LIQUID, ORGANIC, N.O.S.	4.2	–	III	223 274	0	E1	P001	PP31	IBC02	–
3184	SELF-HEATING LIQUID, TOXIC, ORGANIC, N.O.S.	4.2	6.1	II	274	0	E2	P402	PP31	IBC02	–
3184	SELF-HEATING LIQUID, TOXIC, ORGANIC, N.O.S.	4.2	6.1	III	223 274	0	E1	P001	PP31	IBC02	–
3185	SELF-HEATING LIQUID, CORROSIVE, ORGANIC, N.O.S.	4.2	8	II	274	0	E2	P402	PP31	IBC02	–
3185	SELF-HEATING LIQUID, CORROSIVE, ORGANIC, N.O.S.	4.2	8	III	223 274	0	E1	P001	PP31	IBC02	–
3186	SELF-HEATING LIQUID, INORGANIC, N.O.S.	4.2	–	II	274	0	E2	P001	PP31	IBC02	–
3186	SELF-HEATING LIQUID, INORGANIC, N.O.S.	4.2	–	III	223 274	0	E1	P001	PP31	IBC02	–
3187	SELF-HEATING LIQUID, TOXIC, INORGANIC, N.O.S.	4.2	6.1	II	274	0	E2	P402	PP31	IBC02	–
3187	SELF-HEATING LIQUID, TOXIC, INORGANIC, N.O.S.	4.2	6.1	III	223 274	0	E1	P001	PP31	IBC02	–
3188	SELF-HEATING LIQUID, CORROSIVE, INORGANIC, N.O.S.	4.2	8	II	274	0	E2	P402	PP31	IBC02	–
3188	SELF-HEATING LIQUID, CORROSIVE, INORGANIC, N.O.S.	4.2	8	III	223 274	0	E1	P001	PP31	IBC02	–
3189	METAL POWDER, SELF-HEATING, N.O.S.	4.2	–	II	274	0	E2	P410	PP31	IBC06	B21
3189	METAL POWDER, SELF-HEATING, N.O.S.	4.2	–	III	223 274	0	E1	P002 LP02	PP31 L4	IBC08	B4
3190	SELF-HEATING SOLID, INORGANIC, N.O.S.	4.2	–	II	274	0	E2	P410	PP31	IBC06	B21
3190	SELF-HEATING SOLID, INORGANIC, N.O.S.	4.2	–	III	223 274	0	E1	P002 LP02	PP31	IBC08	B3
3191	SELF-HEATING SOLID, TOXIC, INORGANIC, N.O.S.	4.2	6.1	II	274	0	E2	P410	–	IBC05	B21
3191	SELF-HEATING SOLID, TOXIC, INORGANIC, N.O.S.	4.2	6.1	III	223 274	0	E1	P002	–	IBC08	B3
3192	SELF-HEATING SOLID, CORROSIVE, INORGANIC, N.O.S.	4.2	8	II	274	0	E2	P410	–	IBC05	B21
3192	SELF-HEATING SOLID, CORROSIVE, INORGANIC, N.O.S.	4.2	8	III	274	0	E1	P002	–	IBC08	B3
3194	PYROPHORIC LIQUID, INORGANIC, N.O.S.	4.2	–	I	274	0	E0	P400	–	–	–
3200	PYROPHORIC SOLID, INORGANIC, N.O.S.	4.2	–	I	274	0	E0	P404	PP31	–	–
3205	ALKALINE EARTH METAL ALCOHOLATES, N.O.S.	4.2	–	II	183 274	0	E2	P410	PP31	IBC06	B21

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T1	TP33	F-A, S-G	Category E	–	–	3182
–	–	–	F-A, S-J	Category C	–	–	3183
–	–	–	F-A, S-J	Category C	–	–	3183
–	–	–	F-A, S-J	Category C	–	–	3184
–	–	–	F-A, S-J	Category C	–	–	3184
–	–	–	F-A, S-J	Category C	–	–	3185
–	–	–	F-A, S-J	Category C	–	–	3185
–	–	–	F-A, S-J	Category C	–	–	3186
–	–	–	F-A, S-J	Category C	–	–	3186
–	–	–	F-A, S-J	Category C	–	–	3187
–	–	–	F-A, S-J	Category C	–	–	3187
–	–	–	F-A, S-J	Category C	–	–	3188
–	–	–	F-A, S-J	Category C	–	–	3188
–	T3	TP33	F-G, S-J	Category C H1	SGG7 SGG15 SG26	Forms explosive mixtures with oxidizing substances.	3189
–	T1	TP33	F-G, S-J	Category C H1	SGG7 SGG15 SG26	See entry above.	3189
–	T3	TP33	F-A, S-J	Category C	–	Liable to self-heating or spontaneous combustion.	3190
–	T1	TP33	F-A, S-J	Category C	–	See entry above.	3190
–	T3	TP33	F-A, S-J	Category C	–	–	3191
–	T1	TP33	F-A, S-J	Category C	–	–	3191
–	T3	TP33	F-A, S-J	Category C	–	–	3192
–	T1	TP33	F-A, S-J	Category C	–	–	3192
–	–	–	F-G, S-M	Category D H1	SG26 SG63	Highly flammable liquids, may ignite spontaneously in moist air. In contact with air, evolve irritating and slightly toxic fumes.	3194
–	T21	TP7 TP33	F-G, S-M	Category D H1	SG26	Liable to ignite spontaneously in air. If shaken, may produce sparks. In contact with water, evolve hydrogen, a flammable gas.	3200
–	T3	TP33	F-A, S-J	Category B	–	Free-flowing hygroscopic powders. Irritating to skin, eyes and mucous membranes.	3205

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3205	ALKALINE EARTH METAL ALCOHOLATES, N.O.S.	4.2	–	III	183 223 274	0	E1	P002 LP02	PP31	IBC08	B3
△ 3206	ALKALI METAL ALCOHOLATES, SELF-HEATING, CORROSIVE, N.O.S.	4.2	8	II	182 274	0	E2	P410	PP31	IBC05	B21
△ 3206	ALKALI METAL ALCOHOLATES, SELF-HEATING, CORROSIVE, N.O.S.	4.2	8	III	182 223 274	0	E1	P002	PP31	IBC08	B3
3208	METALLIC SUBSTANCE, WATER-REACTIVE, N.O.S.	4.3	–	I	274	0	E0	P403	PP31	IBC99	–
3208	METALLIC SUBSTANCE, WATER-REACTIVE, N.O.S.	4.3	–	II	274	500 g	E0	P410	PP31 PP40	IBC07	B4 B21
3208	METALLIC SUBSTANCE, WATER-REACTIVE, N.O.S.	4.3	–	III	223 274	1 kg	E1	P410	PP31	IBC08	B4
3209	METALLIC SUBSTANCE, WATER-REACTIVE, SELF-HEATING, N.O.S.	4.3	4.2	I	274	0	E0	P403	PP31	–	–
3209	METALLIC SUBSTANCE, WATER-REACTIVE, SELF-HEATING, N.O.S.	4.3	4.2	II	274	0	E2	P410	PP31 PP40	IBC05	B21
3209	METALLIC SUBSTANCE, WATER-REACTIVE, SELF-HEATING, N.O.S.	4.3	4.2	III	223 274	0	E1	P410	PP31	IBC08	B4
3210	CHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	–	II	274 351	1 L	E2	P504	–	IBC02	–
3210	CHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	–	III	223 274 351	5 L	E1	P504	–	IBC02	–
3211	PERCHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	–	II	–	1 L	E2	P504	–	IBC02	–
3211	PERCHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	–	III	223	5 L	E1	P504	–	IBC02	–
3212	HYPOCHLORITES, INORGANIC, N.O.S.	5.1	–	II	274 349 900 903	1 kg	E2	P002	–	IBC08	B4 B21

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T1	TP33	F-A, S-J	Category B	–	Free-flowing hygroscopic powders. Irritating to skin, eyes and mucous membranes.	3205
–	T3	TP33	F-A, S-J	Category B	SGG18 SG35	Free-flowing hygroscopic powder. Cause burns to skin, eyes and mucous membranes.	3206
–	T1	TP33	F-A, S-J	Category B	SGG18 SG35	See entry above.	3206
–	–	–	F-G, S-N	Category E SW2 H1	SG26	–	3208
–	T3	TP33	F-G, S-N	Category E SW2 H1	SG26	–	3208
–	T1	TP33	F-G, S-N	Category E SW2 H1	SG26	–	3208
–	–	–	F-G, S-N	Category E SW2 H1	SG26	–	3209
–	T3	TP33	F-G, S-N	Category E SW2 H1	SG26	–	3209
–	T1	TP33	F-G, S-N	Category E SW2 H1	SG26	–	3209
–	T4	TP1	F-H, S-Q	Category B	SG38 SG49 SG62	When involved in a fire, may cause an explosion. Leakage and subsequent evaporation of the water of the solutions may present increased dangers as follows: .1 in contact with combustible material (particularly with fibrous material such as jute, cotton or sisal) or sulphur, danger of spontaneous combustion; .2 in contact with ammonium compounds, powdered metals or oils, danger of explosion. Transport of ammonium chlorate, aqueous solution is prohibited .	3210
–	T4	TP1	F-H, S-Q	Category B	SG38 SG49 SG62	See entry above.	3210
–	T4	TP1	F-H, S-Q	Category B	SGG13 SG38 SG49 SG62	When involved in a fire, may cause an explosion. Leakage and subsequent evaporation of the water of the solutions may present increased dangers as follows: .1 in contact with combustible material (particularly with fibrous material such as jute, cotton or sisal) or sulphur, danger of spontaneous combustion; .2 in contact with ammonium compounds, powdered metals or oils, danger of explosion.	3211
–	T4	TP1	F-H, S-Q	Category B	SGG13 SG38 SG49 SG62	See entry above.	3211
–	T3	TP33	F-H, S-Q	Category D SW1 SW17	SGG8 SG35 SG38 SG49 SG53 SG60	Solids. Critical ambient temperature of decomposition may be as low as 60°C. May cause fire in contact with organic material or ammonium compounds. React with acids, evolving chlorine, an irritating, corrosive and toxic gas. In the presence of moisture, corrosive to most metals. Dust irritates mucous membranes. Transport of ammonium hypochlorite and mixtures of a hypochlorite with an ammonium salt is prohibited .	3212

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3213	BROMATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	–	II	274 350	1 L	E2	P504	–	IBC02	–
3213	BROMATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	–	III	223 274 350	5 L	E1	P504	–	IBC02	–
3214	PERMANGANATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	–	II	274 353	1 L	E2	P504	–	IBC02	–
3215	PERSULPHATES, INORGANIC, N.O.S.	5.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
3216	PERSULPHATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	–	III	–	5 L	E1	P504	–	IBC02	–
3218	NITRATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	–	II	270	1 L	E2	P504	–	IBC02	–
3218	NITRATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	–	III	223 270	5 L	E1	P504	–	IBC02	–
3219	NITRITES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	–	II	274 900	1 L	E2	P504	–	IBC01	–
3219	NITRITES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	–	III	223 274 900	5 L	E1	P504	–	IBC02	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T4	TP1	F-H, S-Q	Category B	SGG3 SG38 SG49 SG62	When involved in a fire, may cause an explosion. Leakage and subsequent evaporation of the water of the solutions may present increased dangers as follows: .1 in contact with combustible material (particularly with fibrous material such as jute, cotton or sisal) or sulphur, danger of spontaneous combustion; .2 in contact with ammonium compounds, powdered metals or oils, danger of explosion. Transport of ammonium bromate, aqueous solution is prohibited .	3213
–	T4	TP1	F-H, S-Q	Category B	SGG3 SG38 SG49 SG62	See entry above.	3213
–	T4	TP1	F-H, S-Q	Category D	SGG14 SG38 SG49 SG60 SG62	When involved in a fire, may cause an explosion. Leakage and subsequent evaporation of the water of the solutions may present increased dangers as follows: .1 in contact with combustible material (particularly with fibrous material such as jute, cotton or sisal) or sulphur, danger of spontaneous combustion; .2 in contact with ammonium compounds, powdered metals or oils, danger of explosion. Transport of ammonium permanganate, aqueous solution is prohibited .	3214
–	T1	TP33	F-A, S-Q	Category A	SG40 SG49	Solids. Solid mixtures with combustible material are sensitive to friction and are liable to ignite. React fiercely with cyanides when heated or by friction. May form explosive mixture with powdered metals or ammonium compounds.	3215
–	T4	TP1 TP29	F-A, S-Q	Category A	SG38 SG49 SG62	When involved in a fire, may cause an explosion. Leakage and subsequent evaporation of the water of the solutions may present increased dangers as follows: .1 in contact with combustible material (particularly with fibrous material such as jute, cotton or sisal) or sulphur, danger of spontaneous combustion; .2 in contact with ammonium compounds, powdered metals or oils, danger of explosion.	3216
–	T4	TP1	F-A, S-Q	Category B	SG38 SG49 SG62	When involved in a fire, may cause an explosion. Leakage and subsequent evaporation of the water of the solutions may present increased dangers as follows: .1 in contact with combustible material (particularly with fibrous material such as jute, cotton or sisal) or sulphur, danger of spontaneous combustion; .2 in contact with ammonium compounds, powdered metals or oils, danger of explosion.	3218
–	T4	TP1	F-A, S-Q	Category B	SG38 SG49 SG62	See entry above.	3218
–	T4	TP1	F-A, S-Q	Category B	SGG12 SG38 SG49 SG62	When involved in a fire, may cause an explosion. Leakage and subsequent evaporation of the water of the solutions may present increased dangers as follows: .1 in contact with combustible material (particularly with fibrous material such as jute, cotton or sisal) or sulphur, danger of spontaneous combustion; .2 in contact with ammonium compounds, powdered metals or oils, danger of explosion. Transport of ammonium nitrites, aqueous solution is prohibited .	3219
–	T4	TP1	F-A, S-Q	Category B	SGG12 SG38 SG49 SG62	See entry above.	3219

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3220	PENTAFLUOROETHANE (REFRIGERANT GAS R 125)	2.2	–	–	–	120 mL	E1	P200	–	–	–
3221	SELF-REACTIVE LIQUID TYPE B	4.1	See SP181	–	181 274	25 mL	E0	P520	PP21	–	–
3222	SELF-REACTIVE SOLID TYPE B	4.1	See SP181	–	181 274	100 g	E0	P520	PP21	–	–
3223	SELF-REACTIVE LIQUID TYPE C	4.1	–	–	274	25 mL	E0	P520	PP21 PP94 PP95	–	–
3224	SELF-REACTIVE SOLID TYPE C	4.1	–	–	274	100 g	E0	P520	PP21 PP94 PP95	–	–
3225	SELF-REACTIVE LIQUID TYPE D	4.1	–	–	274	125 mL	E0	P520	–	–	–
3226	SELF-REACTIVE SOLID TYPE D	4.1	–	–	274	500 g	E0	P520	–	–	–
3227	SELF-REACTIVE LIQUID TYPE E	4.1	–	–	274	125 mL	E0	P520	–	–	–
3228	SELF-REACTIVE SOLID TYPE E	4.1	–	–	274	500 g	E0	P520	–	–	–
3229	SELF-REACTIVE LIQUID TYPE F	4.1	–	–	274	125 mL	E0	P520	–	IBC99	–
3230	SELF-REACTIVE SOLID TYPE F	4.1	–	–	274	500 g	E0	P520	–	IBC99	–
3231	SELF-REACTIVE LIQUID TYPE B, TEMPERATURE CONTROLLED	4.1	See SP181	–	181 194 274 923	0	E0	P520	PP21	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T50	–	F-C, S-V	Category A	–	Liquefied, non-flammable gas with a mild ether-like odour. Much heavier than air (4.2).	3220
–	–	–	F-J, S-G	Category D SW1	SG1 SG35 SG36	May explode at elevated temperatures or in a fire. Burns vigorously. Immiscible with water. Contact with alkalis or acids may cause dangerous decomposition. The products of combustion or self-accelerating decomposition may be toxic by inhalation.	3221
–	–	–	F-J, S-G	Category D SW1	SG1 SG35 SG36	May explode at elevated temperatures or in a fire. Burns vigorously. Insoluble in water. Contact with alkalis or acids may cause dangerous decomposition. The products of combustion or self-accelerating decomposition may be toxic by inhalation.	3222
–	–	–	F-J, S-G	Category D SW1	SG35 SG36	May decompose violently at elevated temperatures or in a fire. Burns vigorously. Immiscible with water. Contact with alkalis or acids may cause dangerous decomposition. The products of combustion or self-accelerating decomposition may be toxic by inhalation.	3223
–	–	–	F-J, S-G	Category D SW1	SG35 SG36	May decompose violently at elevated temperatures or in a fire. Burns vigorously. Insoluble in water. Contact with alkalis or acids may cause dangerous decomposition. The products of combustion or self-accelerating decomposition may be toxic by inhalation.	3224
–	–	–	F-J, S-G	Category D SW1	SG35 SG36	Decomposes at elevated temperatures or in a fire. Burns vigorously. Immiscible with water. Contact with alkalis or acids may cause dangerous decomposition. The products of combustion or self-accelerating decomposition may be toxic by inhalation.	3225
–	–	–	F-J, S-G	Category D SW1	SG35 SG36	Decomposes at elevated temperatures or in a fire. Burns vigorously. Contact with alkalis or acids may cause dangerous decomposition. The products of combustion or self-accelerating decomposition may be toxic by inhalation. Insoluble in water except: 4-(BENZYL(ETHYL)AMINO)-3-ETHOXYBENZENEDIAZONIUM ZINC CHLORIDE 3-CHLORO-4-DIETHYLAMINO BENZENEDIAZONIUM ZINC CHLORIDE 4-DIPROPYLAMINO BENZENEDIAZONIUM ZINC CHLORIDE SODIUM 2-DIAZO-1-NAPHTHOL-4-SULPHONATE SODIUM 2-DIAZO-1-NAPHTHOL-5-SULPHONATE	3226
–	–	–	F-J, S-G	Category D SW1	SG35 SG36	Decomposes at elevated temperatures or in a fire. Burns vigorously. Immiscible with water. Contact with alkalis or acids may cause dangerous decomposition. The products of combustion or self-accelerating decomposition may be toxic by inhalation.	3227
–	–	–	F-J, S-G	Category D SW1	SG35 SG36	Decomposes at elevated temperatures or in a fire. Burns vigorously. Insoluble in water. Contact with alkalis or acids may cause dangerous decomposition. The products of combustion or self-accelerating decomposition may be toxic by inhalation.	3228
–	T23	–	F-J, S-G	Category D SW1	SG35 SG36	Decomposes at elevated temperatures or in a fire. Burns vigorously. Immiscible with water. Contact with alkalis or acids may cause dangerous decomposition. The products of combustion or self-accelerating decomposition may be toxic by inhalation.	3229
–	T23	–	F-J, S-G	Category D SW1	SG35 SG36	Decomposes at elevated temperatures or in a fire. Burns vigorously. Insoluble in water. Contact with alkalis or acids may cause dangerous decomposition. The products of combustion or self-accelerating decomposition may be toxic by inhalation.	3230
–	–	–	F-F, S-K	Category D SW1 SW3	SG1 SG35 SG36	May explode at temperatures higher than the emergency temperature or in a fire. Burns vigorously. Immiscible with water. Contact with alkalis or acids may cause dangerous decomposition. The products of combustion or self-accelerating decomposition may be toxic by inhalation. Control and emergency temperatures for each formulation can be found in 2.4.2.3.2.3. The temperature should be checked regularly.	3231

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3232	SELF-REACTIVE SOLID TYPE B, TEMPERATURE CONTROLLED	4.1	See SP181	–	181 194 274 923	0	E0	P520	PP21	–	–
3233	SELF-REACTIVE LIQUID TYPE C, TEMPERATURE CONTROLLED	4.1	–	–	194 274 923	0	E0	P520	PP21	–	–
3234	SELF-REACTIVE SOLID TYPE C, TEMPERATURE CONTROLLED	4.1	–	–	194 274 923	0	E0	P520	PP21	–	–
3235	SELF-REACTIVE LIQUID TYPE D, TEMPERATURE CONTROLLED	4.1	–	–	194 274 923	0	E0	P520	–	–	–
3236	SELF-REACTIVE SOLID TYPE D, TEMPERATURE CONTROLLED	4.1	–	–	194 274 923	0	E0	P520	–	–	–
3237	SELF-REACTIVE LIQUID TYPE E, TEMPERATURE CONTROLLED	4.1	–	–	194 274 923	0	E0	P520	–	–	–
3238	SELF-REACTIVE SOLID TYPE E, TEMPERATURE CONTROLLED	4.1	–	–	194 274 923	0	E0	P520	–	–	–
3239	SELF-REACTIVE LIQUID TYPE F, TEMPERATURE CONTROLLED	4.1	–	–	194 274 923	0	E0	P520	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
(12)	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-F, S-K	Category D SW1 SW3	SG1 SG35 SG36	May explode at temperatures higher than the emergency temperature or in a fire. Burns vigorously. Insoluble in water. Contact with alkalis or acids may cause dangerous decomposition. The products of combustion or self-accelerating decomposition may be toxic by inhalation. Control and emergency temperatures for each formulation can be found in 2.4.2.3.2.3. The temperature should be checked regularly.	3232
–	–	–	F-F, S-K	Category D SW1 SW3	SG35 SG36	May explode at temperatures higher than the emergency temperature or in a fire. Burns vigorously. Immiscible with water. Contact with alkalis or acids may cause dangerous decomposition. The products of combustion or self-accelerating decomposition may be toxic by inhalation. Control and emergency temperatures for each formulation can be found in 2.4.2.3.2.3. The temperature should be checked regularly.	3233
–	–	–	F-F, S-K	Category D SW1 SW3	SG35 SG36	May explode at temperatures higher than the emergency temperature or in a fire. Burns vigorously. Insoluble in water except: 3-METHYL-4-(PYRROLIDIN-1-YL)BENZENEDIAZONIUM TETRAFLUOROBORATE TETRAMINEPALLADIUM(II) NITRATE Contact with alkalis or acids may cause dangerous decomposition. The products of combustion or self-accelerating decomposition may be toxic by inhalation. Control and emergency temperatures for each formulation can be found in 2.4.2.3.2.3. The temperature should be checked regularly.	3234
–	–	–	F-F, S-K	Category D SW1 SW3	SG35 SG36	Decomposes at temperatures higher than the emergency temperature or in a fire. Burns vigorously. Immiscible with water. Contact with alkalis or acids may cause dangerous decomposition. The products of combustion or self-accelerating decomposition may be toxic by inhalation.	3235
–	–	–	F-F, S-K	Category D SW1 SW3	SG35 SG36	Decomposes at temperatures higher than the emergency temperature or in a fire. Burns vigorously. Soluble in water except: AZODICARBONAMIDE FORMULATION TYPE D 2,2'-AZODI(2,4-DIMETHYL-4-METHOXYVALERONITRILE) 2,2'-AZODI(2,4-DIMETHYLVALERONITRILE) 2,2'-AZODI(2-METHYLBUTYRONITRILE) N-FORMYL-2-(NITROMETHYLENE)-1,3-PERHYDROTHIAZINE 4-NITROSOPHENOL Contact with alkalis or acids may cause dangerous decomposition. The products of combustion or self-accelerating decomposition may be toxic by inhalation.	3236
–	–	–	F-F, S-K	Category D SW1 SW3	SG35 SG36	Decomposes at temperatures higher than the emergency temperature or in a fire. Burns vigorously. Immiscible with water. Contact with alkalis or acids may cause dangerous decomposition. The products of combustion or self-accelerating decomposition may be toxic by inhalation. Control and emergency temperatures for each formulation can be found in 2.4.2.3.2.3. The temperature should be checked regularly.	3237
–	–	–	F-F, S-K	Category D SW1 SW3	SG35 SG36	Decomposes at temperatures higher than the emergency temperature or in a fire. Burns vigorously. Insoluble in water. Contact with alkalis or acids may cause dangerous decomposition. The products of combustion or self-accelerating decomposition may be toxic by inhalation. Control and emergency temperatures for each formulation can be found in 2.4.2.3.2.3. The temperature should be checked regularly.	3238
–	T23	–	F-F, S-K	Category D SW1 SW3	SG35 SG36	Decomposes at temperatures higher than the emergency temperature or in a fire. Burns vigorously. Immiscible with water. Contact with alkalis or acids may cause dangerous decomposition. The products of combustion or self-accelerating decomposition may be toxic by inhalation. Control and emergency temperatures for each formulation can be found in 2.4.2.3.2.3. The temperature must be checked regularly.	3239

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3240	SELF-REACTIVE SOLID TYPE F, TEMPERATURE CONTROLLED	4.1	–	–	194 274 923	0	E0	P520	–	–	–
3241	2-BROMO-2-NITROPROPANE-1,3-DIOL	4.1	–	III	–	5 kg	E1	P520	PP22	IBC08	B3
3242	AZODICARBONAMIDE	4.1	–	II	215	500 g	E0	P409	–	–	–
3243	SOLIDS CONTAINING TOXIC LIQUID, N.O.S.	6.1	–	II	217 274	500 g	E4	P002	PP9	IBC02	–
3244	SOLIDS CONTAINING CORROSIVE LIQUID, N.O.S.	8	–	II	218 274	1 kg	E2	P002	PP9	IBC05	–
3245	GENETICALLY MODIFIED MICROORGANISMS or GENETICALLY MODIFIED ORGANISMS	9	–	–	219	0	E0	P904	–	IBC99	–
△ 3246	METHANESULPHONYL CHLORIDE	6.1	8	I	354	0	E0	P602	–	–	–
3247	SODIUM PEROXOBORATE, ANHYDROUS	5.1	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
3248	MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S.	3	6.1	II	220 221	1 L	E2	P001	–	–	–
3248	MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S.	3	6.1	III	220 221 223	5 L	E1	P001	–	–	–
3249	MEDICINE, SOLID, TOXIC, N.O.S.	6.1	–	II	221	500 g	E4	P002	–	–	–
3249	MEDICINE, SOLID, TOXIC, N.O.S.	6.1	–	III	221 223	5 kg	E1	P002 LP02	–	–	–
3250	CHLOROACETIC ACID, MOLTEN	6.1	8	II	–	0	E0	–	–	–	–
3251	ISOSORBIDE-5-MONONITRATE	4.1	–	III	226	5 kg	E0	P409	–	–	–
3252	DIFLUOROMETHANE (REFRIGERANT GAS R 32)	2.1	–	–	–	0	E0	P200	–	–	–
3253	DISODIUM TRIOXOSILICATE	8	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3

Portable tanks and bulk containers			EmS (15) 5.4.3.4 7.8	Stowage and handling (16a) 7.1 7.3–7.7	Segregation (16b) 7.2–7.7	Properties and observations (17)	UN No. (18)
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
–	T23	–	F-F, S-K	Category D SW1 SW3	SG35 SG36	Decomposes at temperatures higher than the emergency temperature or in a fire. Burns vigorously. Insoluble in water. Contact with alkalis or acids may cause dangerous decomposition. The products of combustion or self-accelerating decomposition may be toxic by inhalation. Control and emergency temperatures for each formulation can be found in 2.4.2.3.2.3. The temperature must be checked regularly.	3240
–	–	–	F-J, S-G	Category C SW1 SW2 H2 H3	–	White crystals. Soluble in water. Decomposes when heated, evolving toxic gases. Sensitive to strong detonation shock. This substance shall be packed in accordance with packing method OP6 (see applicable packing instruction).	3241
–	T3	TP33	F-J, S-G	Category D	SG17 SG35 SG36	Yellow or orange powder. Insoluble in water. Heat may cause exothermic decomposition, producing carbon monoxide (a toxic and flammable gas) and nitrogen. May explode if involved in a fire under confined conditions. Addition of activators (e.g. zinc compounds) may result in a decrease of thermal stability and/or a change in explosive properties.	3242
–	T3 BK2	TP33	F-A, S-A	Category B SW2	–	Mixtures of non-dangerous solids (such as soil, sand, production materials, etc.) and toxic liquids. Toxic if swallowed, by skin contact or by inhalation.	3243
–	T3 BK2	TP33	F-A, S-B	Category B SW2	–	Mixtures of non-dangerous solids (such as soil, sand, production materials, etc.) and corrosive liquids. Cause burns to skin, eyes and mucous membranes.	3244
–	–	–	F-A, S-T	SW7	SG50	–	3245
–	T20	TP2 TP13	F-A, S-B	Category D SW2	SGG1 SG36 SG49	Pale yellow liquid. Highly toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	3246
–	T3	TP33	F-A, S-Q	Category A SW1 H1	–	Yellowish, odourless crystals. Soluble in water. Mixtures with combustible material are readily ignited and may burn fiercely. Harmful if swallowed.	3247
–	–	–	F-E, S-D	Category B SW2	–	Toxic if swallowed, by skin contact or by inhalation.	3248
–	–	–	F-E, S-D	Category A	–	See entry above.	3248
–	T3	TP33	F-A, S-A	Category C SW2	–	Toxic if swallowed, by skin contact or by dust inhalation.	3249
–	T1	TP33	F-A, S-A	Category C SW2	–	See entry above.	3249
–	T7	TP3 TP28	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Molten liquid. Melting point may be as low as 50°C. Toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	3250
–	–	–	F-F, S-G	Category D SW1 SW2 H2 H3	–	May explode if involved in a fire under confined conditions. Sensitive to strong detonation shock.	3251
–	T50	–	F-D, S-U	Category D SW2	–	Flammable colourless gas. Heavier than air (1.8).	3252
–	T1	TP33	F-A, S-B	Category A	SGG18 SG35	Colourless hygroscopic solid. Dangerous reaction with oxidizers. In the presence of moisture, reacts with aluminium, zinc, tin and their compounds, evolving hydrogen, a flammable gas. Causes burns to skin, eyes and mucous membranes. Reacts violently with acids.	3253

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3254	TRIBUTYLPHOSPHANE	4.2	–	I	–	0	E0	P400	–	–	–
△ 3255	tert-BUTYL HYPOCHLORITE	4.2	8	I	976	0	E0	P099	–	–	–
3256	ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with flashpoint above 60°C, at or above its flashpoint	3	–	III	274	0	E0	P099	–	IBC01	–
3257	ELEVATED TEMPERATURE LIQUID, N.O.S. at or above 100°C and below its flashpoint (including molten metals, molten salts, etc.)	9	–	III	232 274	0	E0	P099	–	IBC01	–
3258	ELEVATED TEMPERATURE SOLID, N.O.S. at or above 240°C	9	–	III	232 274	0	E0	P099	–	–	–
3259	AMINES, SOLID, CORROSIVE, N.O.S. or POLYAMINES, SOLID, CORROSIVE, N.O.S.	8	–	I	274	0	E0	P002	–	IBC07	B1
3259	AMINES, SOLID, CORROSIVE, N.O.S. or POLYAMINES, SOLID, CORROSIVE, N.O.S.	8	–	II	274	1 kg	E2	P002	–	IBC08	B4 B21
3259	AMINES, SOLID, CORROSIVE, N.O.S. or POLYAMINES, SOLID, CORROSIVE, N.O.S.	8	–	III	223 274	5 kg	E1	P002 LP02	–	IBC08	B3
3260	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.	8	–	I	274	0	E0	P002	–	IBC07	B1
3260	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.	8	–	II	274	1 kg	E2	P002	–	IBC08	B4 B21
3260	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.	8	–	III	223 274	5 kg	E1	P002 LP02	–	IBC08	B3
3261	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.	8	–	I	274	0	E0	P002	–	IBC07	B1
3261	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.	8	–	II	274	1 kg	E2	P002	–	IBC08	B4 B21
3261	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.	8	–	III	223 274	5 kg	E1	P002 LP02	–	IBC08	B3
3262	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.	8	–	I	274	0	E0	P002	–	IBC07	B1
3262	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.	8	–	II	274	1 kg	E2	P002	–	IBC08	B4 B21
3262	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.	8	–	III	223 274	5 kg	E1	P002 LP02	–	IBC08	B3

Portable tanks and bulk containers			EmS (15) 5.4.3.4 7.8	Stowage and handling (16a) 7.1 7.3–7.7	Segregation (16b) 7.2–7.7	Properties and observations (17)	UN No. (18)
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
–	T21	TP2 TP7	F-A, S-M	Category D	SG44	Colourless yellowish liquid. Insoluble in water. Strong garlic odour (phosphine). Liable to heat and ignite spontaneously in air. If involved in a fire, evolves phosphine, a flammable and highly toxic gas. Reacts violently with oxidizing substances (peroxides, halogens, nitric oxides and carbon tetrachloride). Irritating to mucous membranes.	3254
–	–	–	F-A, S-M	Category D	SGG8	Volatile flammable slightly yellow liquid with a pungent odour. Immiscible with water. Boiling point: 77°C to 79°C. Flashpoint between –15°C and –10°C. Exposure to light causes immediate dangerous decomposition. Causes burns to skin, eyes and mucous membranes.	3255
–	T3	TP3 TP29	F-E, S-D	Category A	–	–	3256
–	T3	TP3 TP29	F-A, <u>S-P</u>	Category A SW5	–	Any liquid which is transported at or above 100°C but below its flashpoint. May cause fire if in contact with combustible material due to extreme temperature.	3257
–	–	–	F-A, <u>S-P</u>	Category A SW5	–	Any solid which is transported at or above 240°C. May cause fire if in contact with combustible material due to extreme temperature.	3258
–	T6	TP33	F-A, S-B	Category A	SGG18 SG35	Colourless to yellowish solids with a pungent odour. Miscible with or soluble in water. When involved in a fire, evolve toxic gases. Corrosive to most metals, especially to copper and its alloys. Cause burns to skin, eyes and mucous membranes. React violently with acids.	3259
–	T3	TP33	F-A, S-B	Category A	SGG18 SG35	See entry above.	3259
–	T1	TP33	F-A, S-B	Category A	SGG18 SG35	See entry above.	3259
–	T6	TP33	F-A, S-B	Category B	SGG1 SG36 SG49	Causes burns to skin, eyes and mucous membranes.	3260
–	T3	TP33	F-A, S-B	Category B	SGG1 SG36 SG49	See entry above.	3260
–	T1	TP33	F-A, S-B	Category A	SGG1 SG36 SG49	See entry above.	3260
–	T6	TP33	F-A, S-B	Category B	SGG1 SG36 SG49	Causes burns to skin, eyes and mucous membranes.	3261
–	T3	TP33	F-A, S-B	Category B	SGG1 SG36 SG49	See entry above.	3261
–	T1	TP33	F-A, S-B	Category A	SGG1 SG36 SG49	See entry above.	3261
–	T6	TP33	F-A, S-B	Category B	SGG18 SG35	Reacts violently with acids. Causes burns to skin, eyes and mucous membranes.	3262
–	T3	TP33	F-A, S-B	Category B	SGG18 SG35	See entry above.	3262
–	T1	TP33	F-A, S-B	Category A	SGG18 SG35	See entry above.	3262

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3263	CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.	8	–	I	274	0	E0	P002	–	IBC07	B1
3263	CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.	8	–	II	274	1 kg	E2	P002	–	IBC08	B4 B21
3263	CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.	8	–	III	223 274	5 kg	E1	P002 LP02	–	IBC08	B3
3264	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.	8	–	I	274	0	E0	P001	–	–	–
3264	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.	8	–	II	274	1 L	E2	P001	–	IBC02	–
3264	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.	8	–	III	223 274	5 L	E1	P001 LP01	–	IBC03	–
3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.	8	–	I	274	0	E0	P001	–	–	–
3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.	8	–	II	274	1 L	E2	P001	–	IBC02	–
3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.	8	–	III	223 274	5 L	E1	P001 LP01	–	IBC03	–
3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.	8	–	I	274	0	E0	P001	–	–	–
3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.	8	–	II	274	1 L	E2	P001	–	IBC02	–
3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.	8	–	III	223 274	5 L	E1	P001 LP01	–	IBC03	–
3267	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.	8	–	I	274	0	E0	P001	–	–	–
3267	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.	8	–	II	274	1 L	E2	P001	–	IBC02	–
3267	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.	8	–	III	223 274	5 L	E1	P001 LP01	–	IBC03	–
3268	SAFETY DEVICES, electrically initiated	9	–	–	280 289	0	E0	P902 LP902	–	–	–
3269	POLYESTER RESIN KIT, liquid base material	3	–	II	236 340	5 L	See SP340	P302	–	–	–
3269	POLYESTER RESIN KIT, liquid base material	3	–	III	236 340	5 L	See SP340	P302	–	–	–
3270	NITROCELLULOSE MEMBRANE FILTERS with not more than 12.6% nitrogen, by dry mass	4.1	–	II	237 286	1 kg	E2	P411	–	–	–
3271	ETHERS, N.O.S.	3	–	II	274	1 L	E2	P001	–	IBC02	–
3271	ETHERS, N.O.S.	3	–	III	223 274	5 L	E1	P001 LP01	–	IBC03	–
3272	ESTERS, N.O.S.	3	–	II	274	1 L	E2	P001	–	IBC02	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T6	TP33	F-A, S-B	Category B	SGG18 SG35	Reacts violently with acids. Causes burns to skin, eyes and mucous membranes.	3263
–	T3	TP33	F-A, S-B	Category B	SGG18 SG35	See entry above.	3263
–	T1	TP33	F-A, S-B	Category A	SGG18 SG35	See entry above.	3263
–	T14	TP2 TP27	F-A, S-B	Category B SW2	SGG1 SG36 SG49	Causes burns to skin, eyes and mucous membranes.	3264
–	T11	TP2 TP27	F-A, S-B	Category B SW2	SGG1 SG36 SG49	See entry above.	3264
–	T7	TP1 TP28	F-A, S-B	Category A SW2	SGG1 SG36 SG49	See entry above.	3264
–	T14	TP2 TP27	F-A, S-B	Category B SW2	SGG1 SG36 SG49	Causes burns to skin, eyes and mucous membranes.	3265
–	T11	TP2 TP27	F-A, S-B	Category B SW2	SGG1 SG36 SG49	See entry above.	3265
–	T7	TP1 TP28	F-A, S-B	Category A SW2	SGG1 SG36 SG49	See entry above.	3265
–	T14	TP2 TP27	F-A, S-B	Category B SW2	SGG18 SG35	Reacts violently with acids. Causes burns to skin, eyes and mucous membranes.	3266
–	T11	TP2 TP27	F-A, S-B	Category B SW2	SGG18 SG35	See entry above.	3266
–	T7	TP1 TP28	F-A, S-B	Category A SW2	SGG18 SG35	See entry above.	3266
–	T14	TP2 TP27	F-A, S-B	Category B SW2	SGG18 SG35	Reacts violently with acids. Causes burns to skin, eyes and mucous membranes.	3267
–	T11	TP2 TP27	F-A, S-B	Category B SW2	SGG18 SG35	See entry above.	3267
–	T7	TP1 TP28	F-A, S-B	Category A SW2	SGG18 SG35	See entry above.	3267
–	–	–	F-B, S-X	Category A	–	–	3268
–	–	–	F-E, S-D	Category B	–	Polyester resin kits consist of two components: a base material (flammable liquid) and an activator (organic peroxide), each separately packed in an inner packaging.	3269
–	–	–	F-E, S-D	Category A	–	See entry above.	3269
–	–	–	F-A, S-I	Category D	–	Filters may be small round pieces or large sheets. When involved in a fire, evolve toxic fumes; in closed compartments, these fumes may form an explosive mixture with air. Burn rapidly with intense heat radiation.	3270
–	T7	TP1 TP8 TP28	F-E, S-D	Category B	–	–	3271
–	T4	TP1 TP29	F-E, S-D	Category A	–	–	3271
–	T7	TP1 TP8 TP28	F-E, S-D	Category B	–	–	3272

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3272	ESTERS, N.O.S.	3	–	III	223 274	5 L	E1	P001 LP01	–	IBC03	–
3273	NITRILES, FLAMMABLE, TOXIC, N.O.S.	3	6.1	I	274	0	E0	P001	–	–	–
3273	NITRILES, FLAMMABLE, TOXIC, N.O.S.	3	6.1	II	274	1 L	E2	P001	–	IBC02	–
△ 3274	ALCOHOLATES SOLUTION, N.O.S. in alcohol	3	8	II	274	1 L	E2	P001	–	IBC02	–
3275	NITRILES, TOXIC, FLAMMABLE, N.O.S.	6.1	3	I	274 315	0	E5	P001	–	–	–
3275	NITRILES, TOXIC, FLAMMABLE, N.O.S.	6.1	3	II	274	100 mL	E4	P001	–	IBC02	–
3276	NITRILES, LIQUID, TOXIC, N.O.S.	6.1	–	I	274 315	0	E5	P001	–	–	–
3276	NITRILES, LIQUID, TOXIC, N.O.S.	6.1	–	II	274	100 mL	E4	P001	–	IBC02	–
3276	NITRILES, LIQUID, TOXIC, N.O.S.	6.1	–	III	223 274	5 L	E1	P001 LP01	–	IBC03	–
3277	CHLOROFORMATES, TOXIC, CORROSIVE, N.O.S.	6.1	8	II	274	100 mL	E4	P001	–	IBC02	–
3278	ORGANOPHOSPHORUS COMPOUND, LIQUID, TOXIC, N.O.S.	6.1	–	I	43 274 315	0	E5	P001	–	–	–
3278	ORGANOPHOSPHORUS COMPOUND, LIQUID, TOXIC, N.O.S.	6.1	–	II	43 274	100 mL	E4	P001	–	IBC02	–
3278	ORGANOPHOSPHORUS COMPOUND, LIQUID, TOXIC, N.O.S.	6.1	–	III	43 223 274	5 L	E1	P001 LP01	–	IBC03	–
3279	ORGANOPHOSPHORUS COMPOUND, TOXIC, FLAMMABLE, N.O.S.	6.1	3	I	43 274 315	0	E5	P001	–	–	–
3279	ORGANOPHOSPHORUS COMPOUND, TOXIC, FLAMMABLE, N.O.S.	6.1	3	II	43 274	100 mL	E4	P001	–	–	–
3280	ORGANOARSENIC COMPOUND, LIQUID, N.O.S.	6.1	–	I	274 315	0	E5	P001	–	–	–
3280	ORGANOARSENIC COMPOUND, LIQUID, N.O.S.	6.1	–	II	274	100 mL	E4	P001	–	IBC02	–
3280	ORGANOARSENIC COMPOUND, LIQUID, N.O.S.	6.1	–	III	223 274	5 L	E1	P001 LP01	–	IBC03	–
3281	METAL CARBONYLS, LIQUID, N.O.S.	6.1	–	I	274 315	0	E5	P601	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
	Tank instructions	Provisions					
(12)	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T4	TP1 TP29	F-E, S-D	Category A	–	–	3272
–	T14	TP2 TP13 TP27	F-E, S-D	Category E SW2	SG35	Liquids evolving toxic vapour. React with acids or acid fumes, evolving hydrogen cyanide, a highly toxic and flammable gas. Toxic if swallowed, by skin contact or by inhalation.	3273
–	T11	TP2 TP13 TP27	F-E, S-D	Category B SW2	SG35	See entry above.	3273
–	–	–	F-E, S-C	Category B	SGG18 SG35	Colourless solution. Reacts violently with water. Causes burns to skin, eyes and mucous membranes.	3274
–	T14	TP2 TP13 TP27	F-E, S-D	Category B SW2	SG35	Flammable liquids, evolving toxic vapour. React with acids or acid fumes, evolving hydrogen cyanide, a highly toxic and flammable gas. Miscible with water. Toxic if swallowed, by skin contact or by inhalation.	3275
–	T11	TP2 TP13 TP27	F-E, S-D	Category B SW2	SG35	See entry above.	3275
–	T14	TP2 TP13 TP27	F-A, S-A	Category B	SG35	Liquids, evolving toxic vapour. React with acids or acid fumes, evolving hydrogen cyanide, a highly toxic and flammable gas. Miscible with water. Toxic if swallowed, by skin contact or by inhalation.	3276
–	T11	TP2 TP27	F-A, S-A	Category B	SG35	See entry above.	3276
–	T7	TP1 TP28	F-A, S-A	Category A	SG35	See entry above.	3276
–	T8	TP2 TP13 TP28	F-A, S-B	Category A SW1 SW2 H1 H2	SGG1 SG36 SG49	React and decompose with water or heat, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. Toxic if swallowed, by skin contact or by inhalation. Cause burns to skin, eyes and mucous membranes.	3277
–	T14	TP2 TP13 TP27	F-A, S-A	Category B	–	Toxic if swallowed, by skin contact or by inhalation.	3278
–	T11	TP2 TP27	F-A, S-A	Category B	–	See entry above.	3278
–	T7	TP1 TP28	F-A, S-A	Category A	–	See entry above.	3278
–	T14	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	A wide variety of toxic flammable liquids. Toxic if swallowed, by skin contact or by inhalation.	3279
–	T11	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	See entry above.	3279
–	T14	TP2 TP13 TP27	F-A, S-A	Category B	–	Toxic if swallowed, by skin contact or by inhalation.	3280
–	T11	TP2 TP27	F-A, S-A	Category B	–	See entry above.	3280
–	T7	TP1 TP28	F-A, S-A	Category A	–	See entry above.	3280
–	T14	TP2 TP13 TP27	F-A, S-A	Category D SW2	–	A range of metal carbonyls which, when heated, can give off carbon monoxide, a toxic gas. Immiscible with water. Toxic if swallowed, by skin contact or by inhalation.	3281

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3281	METAL CARBONYLS, LIQUID, N.O.S.	6.1	–	II	274	100 mL	E4	P001	–	IBC02	–
3281	METAL CARBONYLS, LIQUID, N.O.S.	6.1	–	III	223 274	5 L	E1	P001 LP01	–	IBC03	–
3282	ORGANOMETALLIC COMPOUND, LIQUID, TOXIC, N.O.S.	6.1	–	I	274	0	E5	P001	–	–	–
3282	ORGANOMETALLIC COMPOUND, LIQUID, TOXIC, N.O.S.	6.1	–	II	274	100 mL	E4	P001	–	IBC02	–
3282	ORGANOMETALLIC COMPOUND, LIQUID, TOXIC, N.O.S.	6.1	–	III	223 274	5 L	E1	P001 LP01	–	IBC03	–
3283	SELENIUM COMPOUND, SOLID, N.O.S.	6.1	–	I	274	0	E5	P002	–	IBC07	B1
3283	SELENIUM COMPOUND, SOLID, N.O.S.	6.1	–	II	274	500 g	E4	P002	–	IBC08	B4 B21
3283	SELENIUM COMPOUND, SOLID, N.O.S.	6.1	–	III	223 274	5 kg	E1	P002 LP02	–	IBC08	B3
3284	TELLURIUM COMPOUND, N.O.S.	6.1	–	I	274	0	E5	P002	–	IBC07	B1
3284	TELLURIUM COMPOUND, N.O.S.	6.1	–	II	274	500 g	E4	P002	–	IBC08	B4 B21
3284	TELLURIUM COMPOUND, N.O.S.	6.1	–	III	223 274	5 kg	E1	P002 LP02	–	IBC08	B3
3285	VANADIUM COMPOUND, N.O.S.	6.1	–	I	274	0	E5	P002	–	IBC07	B1
3285	VANADIUM COMPOUND, N.O.S.	6.1	–	II	274	500 g	E4	P002	–	IBC08	B4 B21
3285	VANADIUM COMPOUND, N.O.S.	6.1	–	III	223 274	5 kg	E1	P002 LP02	–	IBC08	B3
3286	FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S.	3	6.1/8	I	274	0	E0	P001	–	–	–
3286	FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S.	3	6.1/8	II	274	1 L	E2	P001	–	IBC99	–
3287	TOXIC LIQUID, INORGANIC, N.O.S.	6.1	–	I	274 315	0	E5	P001	–	–	–
3287	TOXIC LIQUID, INORGANIC, N.O.S.	6.1	–	II	274	100 mL	E4	P001	–	IBC02	–
3287	TOXIC LIQUID, INORGANIC, N.O.S.	6.1	–	III	223 274	5 L	E1	P001 LP01	–	IBC03	–
3288	TOXIC SOLID, INORGANIC, N.O.S.	6.1	–	I	274	0	E5	P002	–	IBC99	–
3288	TOXIC SOLID, INORGANIC, N.O.S.	6.1	–	II	274	500 g	E4	P002	–	IBC08	B4 B21
3288	TOXIC SOLID, INORGANIC, N.O.S.	6.1	–	III	223 274	5 kg	E1	P002 LP02	–	IBC08	B3
3289	TOXIC LIQUID, CORROSIVE, INORGANIC, N.O.S.	6.1	8	I	274 315	0	E5	P001	–	–	–
3289	TOXIC LIQUID, CORROSIVE, INORGANIC, N.O.S.	6.1	8	II	274	100 mL	E4	P001	–	IBC02	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
	Tank instructions	Provisions					
(12)	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T11	TP2 TP27	F-A, S-A	Category B SW2	–	A range of metal carbonyls which, when heated, can give off carbon monoxide, a toxic gas. Immiscible with water. Toxic if swallowed, by skin contact or by inhalation.	3281
–	T7	TP1 TP28	F-A, S-A	Category B SW2	–	See entry above.	3281
–	T14	TP2 TP13 TP27	F-A, S-A	Category B	–	Toxic if swallowed, by skin contact or by inhalation.	3282
–	T11	TP2 TP27	F-A, S-A	Category B	–	See entry above.	3282
–	T7	TP1 TP28	F-A, S-A	Category A	–	See entry above.	3282
–	T6	TP33	F-A, S-A	Category B	–	Toxic if swallowed, by skin contact or by inhalation.	3283
–	T3	TP33	F-A, S-A	Category B	–	See entry above.	3283
–	T1	TP33	F-A, S-A	Category A	–	See entry above.	3283
–	T6	TP33	F-A, S-A	Category B	–	Toxic if swallowed, by skin contact or by inhalation.	3284
–	T3	TP33	F-A, S-A	Category B	–	See entry above.	3284
–	T1	TP33	F-A, S-A	Category A	–	See entry above.	3284
–	T6	TP33	F-A, S-A	Category B	–	Toxic if swallowed, by skin contact or by inhalation.	3285
–	T3	TP33	F-A, S-A	Category B	–	See entry above.	3285
–	T1	TP33	F-A, S-A	Category A	–	See entry above.	3285
–	T14	TP2 TP13 TP27	F-E, S-C	Category E SW2	SG5 SG8	Flammable, toxic, corrosive liquid. Toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	3286
–	T11	TP2 TP13 TP27	F-E, S-C	Category B SW2	SG5 SG8	See entry above.	3286
–	T14	TP2 TP13 TP27	F-A, S-A	Category B SW2	–	Toxic if swallowed, by skin contact or by inhalation.	3287
–	T11	TP2 TP27	F-A, S-A	Category B SW2	–	See entry above.	3287
–	T7	TP1 TP28	F-A, S-A	Category A SW2	–	See entry above.	3287
–	T6	TP33	F-A, S-A	Category B	–	Toxic if swallowed, by skin contact or by inhalation.	3288
–	T3	TP33	F-A, S-A	Category B	–	See entry above.	3288
–	T1	TP33	F-A, S-A	Category A	–	See entry above.	3288
–	T14	TP2 TP13 TP27	F-A, S-B	Category B SW2	–	Toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	3289
–	T11	TP2 TP27	F-A, S-B	Category B SW2	–	See entry above.	3289

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3290	TOXIC SOLID, CORROSIVE, INORGANIC, N.O.S.	6.1	8	I	274	0	E5	P002	–	IBC99	–
3290	TOXIC SOLID, CORROSIVE, INORGANIC, N.O.S.	6.1	8	II	274	500 g	E4	P002	–	IBC06	B21
△ 3291	CLINICAL WASTE, UNSPECIFIED, N.O.S. or (BIO) MEDICAL WASTE, N.O.S. or REGULATED MEDICAL WASTE, N.O.S.	6.2	–	–	–	0	E0	P621 LP621	–	IBC620	–
3292	BATTERIES, CONTAINING SODIUM or CELLS, CONTAINING SODIUM	4.3	–	–	239	0	E0	P408	–	–	–
3293	HYDRAZINE, AQUEOUS SOLUTION with not more than 37% hydrazine, by mass	6.1	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
3294	HYDROGEN CYANIDE, SOLUTION IN ALCOHOL with not more than 45% hydrogen cyanide	6.1	3 P	I	900	0	E0	P601	–	–	–
3295	HYDROCARBONS, LIQUID, N.O.S.	3	–	I	–	500 mL	E3	P001	–	–	–
3295	HYDROCARBONS, LIQUID, N.O.S.	3	–	II	–	1 L	E2	P001	–	IBC02	–
3295	HYDROCARBONS, LIQUID, N.O.S.	3	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
3296	HEPTAFLUOROPROPANE (REFRIGERANT GAS R 227)	2.2	–	–	–	120 mL	E1	P200	–	–	–
△ 3297	ETHYLENE OXIDE AND CHLOROTETRAFLUORO-ETHANE MIXTURE with not more than 8.8% ethylene oxide	2.2	–	–	392	120 mL	E1	P200	–	–	–
△ 3298	ETHYLENE OXIDE AND PENTAFLUOROETHANE MIXTURE with not more than 7.9% ethylene oxide	2.2	–	–	392	120 mL	E1	P200	–	–	–
△ 3299	ETHYLENE OXIDE AND TETRAFLUOROETHANE MIXTURE with not more than 5.6% ethylene oxide	2.2	–	–	392	120 mL	E1	P200	–	–	–
3300	ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with more than 87% ethylene oxide	2.3	2.1	–	–	0	E0	P200	–	–	–
3301	CORROSIVE LIQUID, SELF-HEATING, N.O.S.	8	4.2	I	274	0	E0	P001	–	–	–
3301	CORROSIVE LIQUID, SELF-HEATING, N.O.S.	8	4.2	II	274	0	E2	P001	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T6	TP33	F-A, S-B	Category B SW2	–	Toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	3290
–	T3	TP33	F-A, S-B	Category B SW2	–	See entry above.	3290
–	BK2	–	F-A, S-T	SW28	–	Derived from the medical treatment of animals, humans or from bio-research.	3291
–	–	–	F-G, S-P	Category A H1	SG26	Series of hermetically sealed metal cells containing sodium, electrically connected and secured within a metal casing. “Cold” batteries (batteries containing elemental sodium only in the solid state) are electrically inert. Batteries are activated by heating to between 300°C and 350°C before operating to produce electricity. Activated batteries (i.e. “hot” batteries containing liquid elemental sodium) may cause fire through short-circuit of the terminals. Batteries or cells should not be offered for transport at a temperature such that liquid elemental sodium is present in the battery or cell unless approved, and under conditions of transport established by the competent authority.	3292
–	T4	TP1	F-A, S-A	Category A	SGG18 SG35	Colourless liquid. Reacts violently with acids. Toxic if swallowed, by skin contact or by inhalation.	3293
–	T14	TP2 TP13	F-E, <u>S-D</u>	Category D SW2	–	Flammable solution, evolving extremely toxic flammable vapours. Miscible with water. Highly toxic if swallowed, by skin contact or by inhalation. Transport of HYDROGEN CYANIDE, SOLUTION IN ALCOHOL with more than 45% hydrogen cyanide is prohibited .	3294
–	T11	TP1 TP8 TP28	F-E, S-D	Category E	–	Immiscible with water.	3295
–	T7	TP1 TP8 TP28	F-E, S-D	Category B	–	See entry above.	3295
–	T4	TP1 TP29	F-E, S-D	Category A	–	See entry above.	3295
–	T50	–	F-C, S-V	Category A	–	Non-flammable compressed gas. Heavier than air (1.4).	3296
–	T50	–	F-C, S-V	Category A	–	Liquefied, non-flammable, colourless gas with an ether-like odour. Much heavier than air.	3297
–	T50	–	F-C, S-V	Category A	–	Liquefied, non-flammable, colourless gas with an ether-like odour. Much heavier than air.	3298
–	T50	–	F-C, S-V	Category A	–	Liquefied, non-flammable, colourless gas with an ether-like odour. Much heavier than air.	3299
–	–	–	F-D, S-U	Category D SW2	–	Liquefied, flammable, toxic colourless gas with an ether-like odour. Heavier than air (1.5).	3300
–	–	–	F-A, S-J	Category D	–	Causes burns to skin, eyes and mucous membranes.	3301
–	–	–	F-A, S-J	Category D	–	See entry above.	3301

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3302	2-DIMETHYLAMINOETHYL ACRYLATE, STABILIZED	6.1	–	II	386	100 mL	E4	P001	–	IBC02	–
3303	COMPRESSED GAS, TOXIC, OXIDIZING, N.O.S.	2.3	5.1	–	274	0	E0	P200	–	–	–
3304	COMPRESSED GAS, TOXIC, CORROSIVE, N.O.S.	2.3	8	–	274	0	E0	P200	–	–	–
3305	COMPRESSED GAS, TOXIC, FLAMMABLE, CORROSIVE, N.O.S.	2.3	2.1/8	–	274	0	E0	P200	–	–	–
3306	COMPRESSED GAS, TOXIC, OXIDIZING, CORROSIVE, N.O.S.	2.3	5.1/8	–	274	0	E0	P200	–	–	–
3307	LIQUEFIED GAS, TOXIC, OXIDIZING, N.O.S.	2.3	5.1	–	274	0	E0	P200	–	–	–
3308	LIQUEFIED GAS, TOXIC, CORROSIVE, N.O.S.	2.3	8	–	274	0	E0	P200	–	–	–
3309	LIQUEFIED GAS, TOXIC, FLAMMABLE, CORROSIVE, N.O.S.	2.3	2.1/8	–	274	0	E0	P200	–	–	–
3310	LIQUEFIED GAS, TOXIC, OXIDIZING, CORROSIVE, N.O.S.	2.3	5.1/8	–	274	0	E0	P200	–	–	–
3311	GAS, REFRIGERATED LIQUID, OXIDIZING, N.O.S.	2.2	5.1	–	274	0	E0	P203	–	–	–
3312	GAS, REFRIGERATED LIQUID, FLAMMABLE, N.O.S.	2.1	–	–	274	0	E0	P203	–	–	–
3313	ORGANIC PIGMENTS, SELF-HEATING	4.2	–	II	–	0	E2	P002	–	IBC08	B4 B21
3313	ORGANIC PIGMENTS, SELF-HEATING	4.2	–	III	223	0	E1	P002 LP02	–	IBC08	B3
3314	PLASTICS MOULDING COMPOUND in dough, sheet or extruded rope form, evolving flammable vapour	9	–	III	207 965	5 kg	E1	P002	PP14	IBC08	B3 B6
3315	CHEMICAL SAMPLE, TOXIC	6.1	–	I	250	0	E0	P099	–	–	–
3316	CHEMICAL KIT or FIRST AID KIT	9	–	–	251 340	See SP251	See SP340	P901	–	–	–
3317	2-AMINO-4,6-DINITROPHENOL, WETTED with not less than 20% water, by mass	4.1	–	I	28	0	E0	P406	PP26 PP31	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T7	TP2	F-A, S-A	Category D SW1	–	Colourless to light yellow liquid. Acrid odour. Miscible with water. Causes tears. Stabilized with hydroquinone derivatives. Hydrolyses in water to give off acrylic acid and dimethylaminoethanol. Toxic if swallowed, by skin contact or by inhalation.	3302
–	–	–	F-C, S-W	Category D SW2	–	–	3303
–	–	–	F-C, S-U	Category D SW2	–	–	3304
–	–	–	F-D, S-U	Category D SW2	SG4 SG9	–	3305
–	–	–	F-C, S-W	Category D SW2	SG6 SG19	–	3306
–	–	–	F-C, S-W	Category D SW2	–	–	3307
–	–	–	F-C, S-U	Category D SW2	–	–	3308
–	–	–	F-D, S-U	Category D SW2	SG4 SG9	–	3309
–	–	–	F-C, S-W	Category D SW2	SG6 SG19	–	3310
–	T75	TP5 TP22	F-C, S-W	Category D	–	–	3311
–	T75	TP5	<u>F-D</u> , S-U	Category D SW2	–	–	3312
–	T3	TP33	F-A, S-J	Category C	–	Self-heating coloured powder or granules. Odourless. Liable to self-heating or spontaneous combustion.	3313
–	T1	TP33	F-A, S-J	Category C	–	See entry above.	3313
–	–	–	F-A, S-I	Category E SW1 SW6	SG5 SG14	A moulding material consisting predominantly of polystyrene, poly(methyl methacrylate) or other polymeric material and containing 5% to 8% of a volatile hydrocarbon which is predominantly pentane. During storage, a small proportion of this pentane is released to the atmosphere; this proportion increases at elevated temperatures.	3314
–	–	–	F-A, S-A	Category D SW2	–	This entry may only be used for samples of chemicals taken for analysis in connection with the implementation of the Convention on the Prohibition of the Development, Production, Stockpiling and Use of Chemical Weapons and on their Destruction. The transport of substances under this entry shall be in accordance with the chain of custody and security procedures specified by the Organization for the Prohibition of Chemical Weapons. The chemical sample may only be transported providing prior approval has been granted by the competent authority or the Director General of the Organization for the Prohibition of Chemical Weapons. During transport, the packaging shall be accompanied by a copy of the document of approval for transport, showing the quantity limitations and the packing requirements.	3315
–	–	–	F-A, <u>S-P</u>	Category A	–	–	3316
–	–	–	F-B, S-J	Category D	SG7 SG30	Desensitized explosive. Red crystals. Insoluble in water. Explosive in the dry state. May form extremely sensitive compounds with heavy metals or their salts. When involved in a fire, evolves toxic fumes; in closed compartments these fumes may form an explosive mixture with air. Harmful if swallowed or by skin contact.	3317

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3318	AMMONIA SOLUTION, relative density less than 0.880 at 15°C in water, with more than 50% ammonia	2.3	8 P	–	23	0	E0	P200	–	–	–
3319	NITROGLYCERIN MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 2% but not more than 10% nitroglycerin, by mass	4.1	–	II	272 274	0	E0	P099	–	–	–
3320	SODIUM BOROHYDRIDE AND SODIUM HYDROXIDE SOLUTION with not more than 12% sodium borohydride and not more than 40% sodium hydroxide, by mass	8	–	II	–	1 L	E2	P001	–	IBC02	–
3320	SODIUM BOROHYDRIDE AND SODIUM HYDROXIDE SOLUTION with not more than 12% sodium borohydride and not more than 40% sodium hydroxide, by mass	8	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
3321	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II), non fissile or fissile-excepted	7	See SP172	–	172 317 325	0	E0	See 4.1.9	See 4.1.9	See 4.1.9	See 4.1.9
3322	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-III), non fissile or fissile-excepted	7	See SP172	–	172 317 325	0	E0	See 4.1.9	See 4.1.9	See 4.1.9	See 4.1.9
3323	RADIOACTIVE MATERIAL, TYPE C PACKAGE, non fissile or fissile-excepted	7	See SP172	–	172 317 325	0	E0	See 4.1.9	See 4.1.9	See 4.1.9	See 4.1.9
3324	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II), FISSILE	7	See SP172	–	172 326	0	E0	See 4.1.9	See 4.1.9	See 4.1.9	See 4.1.9
3325	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY, (LSA-III), FISSILE	7	See SP172	–	172 326	0	E0	See 4.1.9	See 4.1.9	See 4.1.9	See 4.1.9
3326	RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS (SCO-I or SCO-II), FISSILE	7	See SP172	–	172 326	0	E0	See 4.1.9	See 4.1.9	See 4.1.9	See 4.1.9
3327	RADIOACTIVE MATERIAL, TYPE A PACKAGE, FISSILE, non-special form	7	See SP172	–	172 326	0	E0	See 4.1.9	See 4.1.9	See 4.1.9	See 4.1.9
3328	RADIOACTIVE MATERIAL, TYPE B(U) PACKAGE, FISSILE	7	See SP172	–	172 326	0	E0	See 4.1.9	See 4.1.9	See 4.1.9	See 4.1.9
3329	RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, FISSILE	7	See SP172	–	172 326	0	E0	See 4.1.9	See 4.1.9	See 4.1.9	See 4.1.9

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T50	–	F-C, S-U	Category D SW2	SGG18 SG35 SG46	Highly concentrated solution in water of a non-flammable, toxic and corrosive gas with a pungent odour. Even though this substance has a flammability hazard, it only exhibits such hazard under extreme fire conditions in confined areas. Reacts violently with acids. Highly irritating to skin, eyes and mucous membranes. Suffocating in low concentrations.	3318
–	–	–	F-B, S-J	Category E	–	Desensitized explosive with lactose, glucose or cellulose. White solid. Soluble in water. When involved in a fire, the nitroglycerin may accumulate and may produce an explosion. Contact with water may dissolve the desensitizer (lactose or glucose), causing migration and accumulation of the nitroglycerin, which may explode. Nitroglycerin is more dense than water. When involved in a fire, evolves toxic fumes; in closed compartments these fumes may form an explosive mixture with air. Inhalation of vapours may cause headaches, dizziness and fainting.	3319
–	T7	TP2	F-A, S-B	Category A	SGG18 SG35	Off-white clear liquid with a slight hydrocarbon odour. Reacts violently with acids. In contact with acids or if diluted with large amount of water, evolves hydrogen gas and heat. Causes burns to skin, eyes and mucous membranes.	3320
–	T4	TP2	F-A, S-B	Category A	SGG18 SG35	See entry above.	3320
–	T5	TP4	F-I, S-S	Category A SW20 SW21	–	See 1.5.1.	3321
–	T5	TP4	F-I, S-S	Category A SW21	–	See 1.5.1.	3322
–	–	–	F-I, S-S	Category A SW12	–	See 1.5.1. For ships transporting an INF cargo as defined in regulation VII/14 of the SOLAS Convention, 1974, as amended, refer also to the INF Code.	3323
–	–	–	F-I, <u>S-S</u>	Category A SW12 SW20 SW21	–	See 1.5.1.	3324
–	–	–	F-I, <u>S-S</u>	Category A SW12 SW21	–	See 1.5.1.	3325
–	–	–	F-I, <u>S-S</u>	Category A SW12	–	See 1.5.1.	3326
–	–	–	F-I, <u>S-S</u>	Category A SW12 SW20 SW21	–	See 1.5.1.	3327
–	–	–	F-I, <u>S-S</u>	Category A SW12	–	See 1.5.1. For ships transporting an INF cargo as defined in regulation VII/14 of the SOLAS Convention, 1974, as amended, refer also to the INF Code.	3328
–	–	–	F-I, <u>S-S</u>	Category A SW12	–	See 1.5.1. For ships transporting an INF cargo as defined in regulation VII/14 of the SOLAS Convention, 1974, as amended, refer also to the INF Code.	3329

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3330	RADIOACTIVE MATERIAL, TYPE C PACKAGE, FISSILE	7	See SP172	–	172 326	0	E0	See 4.1.9	See 4.1.9	See 4.1.9	See 4.1.9
3331	RADIOACTIVE MATERIAL, TRANSPORTED UNDER SPECIAL ARRANGEMENT, FISSILE	7	See SP172	–	172 326	0	E0	See 4.1.9	See 4.1.9	See 4.1.9	See 4.1.9
3332	RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM, non fissile or fissile-excepted	7	See SP172	–	172 317	0	E0	See 4.1.9	See 4.1.9	See 4.1.9	See 4.1.9
3333	RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM, FISSILE	7	See SP172	–	172	0	E0	See 4.1.9	See 4.1.9	See 4.1.9	See 4.1.9
3334	AVIATION REGULATED LIQUID, N.O.S.	9	–	–	960	–	–	–	–	–	–
3335	AVIATION REGULATED SOLID, N.O.S.	9	–	–	960	–	–	–	–	–	–
3336	MERCAPTANS, LIQUID, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, N.O.S.	3	–	I	274	0	E0	P001	–	–	–
3336	MERCAPTANS, LIQUID, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, N.O.S.	3	–	II	274	1 L	E2	P001	–	IBC02	–
3336	MERCAPTANS, LIQUID, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, N.O.S.	3	–	III	223 274	5 L	E1	P001 LP01	–	IBC03	–
3337	REFRIGERANT GAS R 404A	2.2	–	–	–	120 mL	E1	P200	–	–	–
3338	REFRIGERANT GAS R 407A	2.2	–	–	–	120 mL	E1	P200	–	–	–
3339	REFRIGERANT GAS R 407B	2.2	–	–	–	120 mL	E1	P200	–	–	–
3340	REFRIGERANT GAS R 407C	2.2	–	–	–	120 mL	E1	P200	–	–	–
3341	THIOUREA DIOXIDE	4.2	–	II	–	0	E2	P002	PP31	IBC06	B21
3341	THIOUREA DIOXIDE	4.2	–	III	223	0	E1	P002 LP02	PP31	IBC08	B3

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-I, <u>S-S</u>	Category A SW12	–	See 1.5.1. For ships transporting an INF cargo as defined in regulation VII/14 of the SOLAS Convention, 1974, as amended, refer also to the INF Code.	3330
–	–	–	F-I, <u>S-S</u>	Category A SW13	–	See 1.5.1. For ships transporting an INF cargo as defined in regulation VII/14 of the SOLAS Convention, 1974, as amended, refer also to the INF Code.	3331
–	–	–	<u>F-I</u> , <u>S-S</u>	Category A	–	See 1.5.1.	3332
–	–	–	<u>F-I</u> , <u>S-S</u>	Category A SW12	–	See 1.5.1.	3333
–	–	–	–	–	–	Not subject to the provisions of this Code but may be subject to provisions governing the transport of dangerous goods by other modes.	3334
–	–	–	–	–	–	Not subject to the provisions of this Code but may be subject to provisions governing the transport of dangerous goods by other modes.	3335
–	T11	TP2	F-E, S-D	Category E	SG50 SG57	Colourless to yellow liquids with a garlic odour. Immiscible with water.	3336
–	T7	TP1 TP8 TP28	F-E, S-D	Category B	SG50 SG57	See entry above.	3336
–	T4	TP1 TP29	F-E, S-D	Category B	SG50 SG57	See entry above.	3336
–	T50	–	F-C, S-V	Category A	–	Liquefied, non-flammable, colourless gas with a faint ether-like odour. Heavier than air (1.06). Very high exposures may cause anaesthetic effects and asphyxiation.	3337
–	T50	–	F-C, S-V	Category A	–	Liquefied, non-flammable, colourless gas with a faint ether-like odour. Heavier than air (1.17). Very high exposures may cause anaesthetic effects and asphyxiation.	3338
–	T50	–	F-C, S-V	Category A	–	Liquefied, non-flammable, colourless gas with a faint ether-like odour. Heavier than air (1.19). Very high exposures may cause anaesthetic effects and asphyxiation.	3339
–	T50	–	F-C, S-V	Category A	–	Liquefied, non-flammable, colourless gas with a faint ether-like odour. Heavier than air (1.16). Very high exposures may cause anaesthetic effects and asphyxiation.	3340
–	T3	TP33	F-A, S-J	Category D	–	White to yellow-white crystalline powder. Virtually odourless. Strong reducing agent. Violent exothermic decomposition above 100°C with emission of large amounts of sulphur oxides, ammonia, carbon monoxide, carbon dioxide, nitrogen oxides and hydrogen sulphide. Extended exposure to temperatures above 50°C and moisture may cause visible decomposition. Dust irritating to skin, eyes and mucous membranes.	3341
–	T1	TP33	F-A, S-J	Category D	–	See entry above.	3341

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3342	XANTHATES	4.2	–	II	–	0	E2	P002	PP31	IBC06	B21
3342	XANTHATES	4.2	–	III	223	0	E1	P002 LP02	PP31	IBC08	B3
3343	NITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, FLAMMABLE, N.O.S. with not more than 30% nitroglycerin, by mass	3	–	–	274 278	0	E0	P099	–	–	–
3344	PENTAERYTHRITATE TETRANITRATE (PENTAERYTHRITOL TETRANITRATE; PETN) MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 10% but not more than 20% PETN, by mass	4.1	–	II	272 274	0	E0	P406	PP26 PP80	–	–
3345	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, SOLID, TOXIC	6.1	–	I	61 274	0	E5	P002	–	IBC07	B1
3345	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, SOLID, TOXIC	6.1	–	II	61 274	500 g	E4	P002	–	IBC08	B4 B21
3345	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, SOLID, TOXIC	6.1	–	III	61 223 274	5 kg	E1	P002 LP02	–	IBC08	B3
3346	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, FLAMMABLE, TOXIC flashpoint less than 23°C	3	6.1	I	61 274	0	E0	P001	–	–	–
3346	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, FLAMMABLE, TOXIC flashpoint less than 23°C	3	6.1	II	61 274	1 L	E2	P001	–	IBC02	–
3347	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	I	61 274	0	E5	P001	–	–	–
3347	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	II	61 274	100 mL	E4	P001	–	IBC02	–
3347	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	III	61 223 274	5 L	E1	P001	–	IBC03	–
3348	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC	6.1	–	I	61 274	0	E5	P001	–	–	–
3348	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC	6.1	–	II	61 274	100 mL	E4	P001	–	IBC02	–

Portable tanks and bulk containers			EmS (15) 5.4.3.4 7.8	Stowage and handling (16a) 7.1 7.3–7.7	Segregation (16b) 7.2–7.7	Properties and observations (17)	UN No. (18)
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
–	T3	TP33	F-A, S-J	Category D SW2	–	Hygroscopic yellow powder with an unpleasant odour. On contact with moisture, evolves highly flammable vapours such as carbon disulphide (UN 1131, which has a flashpoint of –30°C c.c. and a very low ignition temperature of 100°C). When confined, can cause an explosion due to the wide explosive limits of the vapours. Finely divided dust forms explosive mixtures in air. Care should be taken when opening cargo transport units in case carbon disulphide vapours are present.	3342
–	T1	TP33	F-A, S-J	Category D SW2	–	See entry above.	3342
–	–	–	F-E, S-Y	Category D	–	–	3343
–	–	–	F-B, S-J	Category E	–	–	3344
–	T6	TP33	F-A, S-A	Category A SW2	–	Solid pesticides present a very wide range of toxic hazard. Toxic if swallowed, by skin contact or by inhalation.	3345
–	T3	TP33	F-A, S-A	Category A SW2	–	See entry above.	3345
–	T1	TP33	F-A, S-A	Category A SW2	–	See entry above.	3345
–	T14	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	Pesticides frequently containing petroleum or coal tar distillates, or other flammable liquids. Miscibility with water depends upon the composition. Toxic if swallowed, by skin contact or by inhalation.	3346
–	T11	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	See entry above.	3346
–	T14	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	They frequently contain petroleum or coal tar distillates, or other flammable liquids. Flashpoint and miscibility with water depend upon the composition. Toxic if swallowed, by skin contact or by inhalation.	3347
–	T11	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	See entry above.	3347
–	T7	TP2 TP28	F-E, S-D	Category A SW2	–	See entry above.	3347
–	T14	TP2 TP13 TP27	F-A, S-A	Category B SW2	–	Liquid pesticides which present a very wide range of toxic hazard. Miscibility with water depends upon the composition. Toxic if swallowed, by skin contact or by inhalation.	3348
–	T11	TP2 TP27	F-A, S-A	Category B SW2	–	See entry above.	3348

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3348	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC	6.1	–	III	61 223 274	5 L	E1	P001 LP01	–	IBC03	–
3349	PYRETHROID PESTICIDE, SOLID, TOXIC	6.1	–	I	61 274	0	E5	P002	–	IBC07	B1
3349	PYRETHROID PESTICIDE, SOLID, TOXIC	6.1	–	II	61 274	500 g	E4	P002	–	IBC08	B4 B21
3349	PYRETHROID PESTICIDE, SOLID, TOXIC	6.1	–	III	61 223 274	5 kg	E1	P002 LP02	–	IBC08	B3
3350	PYRETHROID PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	3	6.1	I	61 274	0	E0	P001	–	–	–
3350	PYRETHROID PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	3	6.1	II	61 274	1 L	E2	P001	–	IBC02	–
3351	PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	I	61 274	0	E5	P001	–	–	–
3351	PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	II	61 274	100 mL	E4	P001	–	IBC02	–
3351	PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	III	61 223 274	5 L	E1	P001	–	IBC03	–
3352	PYRETHROID PESTICIDE, LIQUID, TOXIC	6.1	–	I	61 274	0	E5	P001	–	–	–
3352	PYRETHROID PESTICIDE, LIQUID, TOXIC	6.1	–	II	61 274	100 mL	E4	P001	–	IBC02	–
3352	PYRETHROID PESTICIDE, LIQUID, TOXIC	6.1	–	III	61 223 274	5 L	E1	P001 LP01	–	IBC03	–
3354	INSECTICIDE GAS, FLAMMABLE, N.O.S.	2.1	–	–	274	0	E0	P200	–	–	–
3355	INSECTICIDE GAS, TOXIC, FLAMMABLE, N.O.S.	2.3	2.1	–	274	0	E0	P200	–	–	–
3356	OXYGEN GENERATOR, CHEMICAL	5.1	–	–	284	0	E0	P500	–	–	–
3357	NITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, N.O.S. with not more than 30% nitroglycerin, by mass	3	–	II	274 288	0	E0	P099	–	–	–

Portable tanks and bulk containers			EmS (15) 5.4.3.4 7.8	Stowage and handling (16a) 7.1 7.3–7.7	Segregation (16b) 7.2–7.7	Properties and observations (17)	UN No. (18)
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
–	T7	TP2 TP28	F-A, S-A	Category A SW2	–	Liquid pesticides which present a very wide range of toxic hazard. Miscibility with water depends upon the composition. Toxic if swallowed, by skin contact or by inhalation.	3348
–	T6	TP33	F-A, S-A	Category A SW2	–	Solid pesticides present a very wide range of toxic hazard. Toxic if swallowed, by skin contact or by inhalation.	3349
–	T3	TP33	F-A, S-A	Category A SW2	–	See entry above.	3349
–	T1	TP33	F-A, S-A	Category A SW2	–	See entry above.	3349
–	T14	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	Miscibility with water depends upon the composition. Toxic if swallowed, by skin contact or by inhalation.	3350
–	T11	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	See entry above.	3350
–	T14	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	They frequently contain petroleum or coal tar distillates, or other flammable liquids. Flashpoint and miscibility with water depend upon the composition. Toxic if swallowed, by skin contact or by inhalation.	3351
–	T11	TP2 TP13 TP27	F-E, S-D	Category B SW2	–	See entry above.	3351
–	T7	TP2 TP28	F-E, S-D	Category A SW2	–	See entry above.	3351
–	T14	TP2 TP13 TP27	F-A, S-A	Category B SW2	–	Liquid pesticides which present a very wide range of toxic hazard. Miscibility with water depends upon the composition. Toxic if swallowed, by skin contact or by inhalation.	3352
–	T11	TP2 TP27	F-A, S-A	Category B SW2	–	See entry above.	3352
–	T7	TP2 TP28	F-A, S-A	Category A SW2	–	See entry above.	3352
–	–	–	F-D, S-U	Category D	–	Flammable mixtures of insecticides with liquefied gases.	3354
–	–	–	F-D, S-U	Category D SW2	–	Toxic, flammable mixtures of insecticides with liquefied gases.	3355
–	–	–	F-H, S-Q	Category D	–	Oxygen generators, chemical are devices containing chemicals which, upon activation, release oxygen as a product of chemical reaction. Chemical oxygen generators are used for the generation of oxygen for respiratory support, e.g. in aircraft, submarines, spacecraft, bomb shelters and breathing apparatus. Oxidizing salts such as chlorates and perchlorates of lithium, sodium and potassium, which are used in chemical oxygen generators, evolve oxygen when heated. These salts are mixed (compounded) with a fuel, usually iron powder, to form a chlorate candle, which produces oxygen by continuous reaction. The fuel is used to generate heat by oxidation. Once the reaction begins, oxygen is released from the hot salt by thermal decomposition (a thermal shield is used around the generator). A portion of the oxygen reacts with the fuel to produce more heat, which produces more oxygen, and so on. Initiation of the reaction can be achieved by a percussion device, friction device or electric wire.	3356
–	–	–	F-E, S-Y	Category D	–	–	3357

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3358	REFRIGERATING MACHINES containing flammable, non-toxic, liquefied gas	2.1	–	–	291	0	E0	P003	PP32	–	–
3359	FUMIGATED CARGO TRANSPORT UNIT	9	–	–	302	0	E0	–	–	–	–
△ 3360	FIBRES, VEGETABLE, DRY	4.1	–	–	29 123 299 973	0	E0	P003	PP19	–	–
3361	CHLOROSILANES, TOXIC, CORROSIVE, N.O.S.	6.1	8	II	274	0	E0	P010	–	–	–
3362	CHLOROSILANES, TOXIC, CORROSIVE, FLAMMABLE, N.O.S.	6.1	3/8	II	274	0	E0	P010	–	–	–
△ 3363	DANGEROUS GOODS IN ARTICLES or DANGEROUS GOODS IN MACHINERY or DANGEROUS GOODS IN APPARATUS	9	–	–	301	See SP301	E0	P907	–	–	–
3364	TRINITROPHENOL (PICRIC ACID), WETTED with not less than 10% water, by mass	4.1	–	I	28	0	E0	P406	PP24 PP31	–	–
3365	TRINITROCHLOROBENZENE (PICRYL CHLORIDE), WETTED with not less than 10% water, by mass	4.1	–	I	28	0	E0	P406	PP24 PP31	–	–
3366	TRINITROTOLUENE (TNT), WETTED with not less than 10% water, by mass	4.1	–	I	28	0	E0	P406	PP24 PP31	–	–
3367	TRINITROBENZENE, WETTED with not less than 10% water, by mass	4.1	–	I	28	0	E0	P406	PP24 PP31	–	–
3368	TRINITROBENZOIC ACID, WETTED with not less than 10% water, by mass	4.1	–	I	28	0	E0	P406	PP24 PP31	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-D, S-U	Category D	–	–	3358
–	–	–	F-A, S-D	Category B SW2	–	A ‘FUMIGATED CARGO TRANSPORT UNIT’ is a closed cargo transport unit containing goods or materials that either are or have been fumigated within the unit. The fumigant gases used are either poisonous or asphyxiant. The gases are usually evolved from solid or liquid preparations distributed within the unit. See also 5.5.2.	3359
–	–	–	F-A, S-I	Category A	–	Ignite readily. Consignments of cotton, dry having a density not less than 360 kg/m³, flax, dry having a density not less than 400 kg/m³, sisal, dry having a density not less than 360 kg/m³ (ISO Standard 8115 (1986)) and tampico fibre, dry having a density not less than 360 kg/m³ are not subject to the provisions of this Code when carried in closed cargo transport units.	3360
–	T14	TP2 TP7 TP13 TP27	F-A, S-B	Category C SW2	SGG1 SG36 SG49	Colourless to yellow liquids with a pungent odour. Immiscible with water. React violently with water or steam, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. When involved in a fire, evolve toxic gas. In the presence of moisture, highly corrosive to most metals. Toxic if swallowed, by skin contact or by inhalation. Cause burns to skin, eyes and mucous membranes.	3361
–	T14	TP2 TP7 TP13 TP27	F-E, S-C	Category C SW2	SGG1 SG5 SG8 SG36 SG49	Colourless to yellow flammable liquids with a pungent odour. Immiscible with water. React violently with water or steam, evolving hydrogen chloride, an irritating and corrosive gas apparent as white fumes. When involved in a fire, evolve toxic gas. In the presence of moisture, highly corrosive to most metals. Toxic if swallowed, by skin contact or by inhalation. Cause burns to skin, eyes and mucous membranes.	3362
–	–	–	F-A, S-P	Category A	–	Types of articles transported under this entry contain only limited quantities of dangerous goods.	3363
–	–	–	F-B, S-J	Category E	SG7 SG30	Desensitized explosive. Substance in pure form consists of yellow crystals. Soluble in water. Explosive and sensitive to friction in the dry state. May form extremely sensitive compounds with heavy metals or their salts. Harmful if swallowed or by skin contact.	3364
–	–	–	F-B, S-J	Category E	SG7 SG30	Desensitized explosive. Explosive and sensitive to shock and heat in the dry state. Reacts violently with heavy metals and their salts.	3365
–	–	–	F-B, S-J	Category E	SG7 SG30	Desensitized explosive. Substance in pure form consists of yellow crystals. When involved in a fire, evolves toxic fumes; in closed compartments, these fumes may form an explosive mixture with air. Explosive and sensitive to shock and heat in the dry state. Reacts violently with heavy metals and their salts.	3366
–	–	–	F-B, S-J	Category E	SG7 SG30	Desensitized explosive. Substance in pure form consists of odourless yellow crystals. When involved in a fire, evolves toxic fumes; in closed compartments, these fumes may form an explosive mixture with air. Explosive and sensitive to shock and heat in the dry state. Harmful if swallowed or by skin contact. Reacts violently with heavy metals and their salts.	3367
–	–	–	F-B, S-J	Category E	SG7 SG30	Desensitized explosive. Substance in pure form consists of yellow crystals. Soluble in water. When involved in a fire, evolves toxic fumes; in closed compartments, these fumes may form an explosive mixture with air. Explosive and sensitive to shock and heat in the dry state. Harmful if swallowed or by skin contact. Reacts violently with heavy metals and their salts.	3368

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3369	SODIUM DINITRO- <i>o</i> -CRESOLATE, WETTED with not less than 10% water, by mass	4.1	6.1 P	I	28	0	E0	P406	PP24 PP31	–	–
3370	UREA NITRATE, WETTED with not less than 10% water, by mass	4.1	–	I	28	0	E0	P406	PP31 PP78	–	–
3371	2-METHYLBUTANAL	3	–	II	–	1 L	E2	P001	–	IBC02	–
3373	BIOLOGICAL SUBSTANCE, CATEGORY B	6.2	–	–	319 341	0	E0	P650	–	–	–
3374	ACETYLENE, SOLVENT FREE	2.1	–	–	–	0	E0	P200	–	–	–
3375	AMMONIUM NITRATE EMULSION or SUSPENSION or GEL, intermediate for blasting explosives	5.1	–	II	309	0	E2	P505	–	IBC02	B16
3376	4-NITROPHENYLHYDRAZINE, with not less than 30% water, by mass	4.1	–	I	28	0	E0	P406	PP26 PP31	–	–
3377	SODIUM PERBORATE MONOHYDRATE	5.1	–	III	967	5 kg	E1	P002 LP02	–	IBC08	B3
3378	SODIUM CARBONATE PEROXYHYDRATE	5.1	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
3378	SODIUM CARBONATE PEROXYHYDRATE	5.1	–	III	967	5 kg	E1	P002 LP02	–	IBC08	B3
3379	DESENSITIZED EXPLOSIVE, LIQUID, N.O.S.	3	–	I	274 311	0	E0	P099	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-B, S-J	Category E	SG7 SG30	Desensitized explosive. Substance in pure form consists of yellow powder. May form extremely sensitive compounds with heavy metals or their salts. When involved in a fire, evolves toxic fumes; in closed compartments, these fumes may form an explosive mixture with air. Explosive and sensitive to friction in the dry state. Toxic if swallowed, by skin contact or by inhalation.	3369
–	–	–	F-B, S-J	Category E	SG7 SG30	Desensitized explosive. May form extremely sensitive compounds with heavy metals or their salts. Explosive and sensitive to friction in the dry state. Harmful if swallowed or by skin contact.	3370
–	T4	TP1	F-E, S-D	Category B	–	Colourless liquid. Flashpoint: –3.5°C. Explosive limits: 1.3 to 13.9%. Slightly miscible with water.	3371
–	T1 BK2	TP1	F-A, S-T	Category C SW2 SW18	–	Substances which are known or are reasonably expected to contain pathogens, transported in a form that, when exposure to it occurs, are not capable of causing permanent disability, life-threatening or fatal disease to humans or animals. Human or animal specimens for which there is minimal likelihood that pathogens are present are not subject to the provisions of this Code (see 2.6.3.2.3.6). Other exemptions are stated in 2.6.3.2.3.	3373
–	–	–	F-D, S-U	Category D SW1 SW2	SG46	Flammable gas with slight odour. Explosive limits: 2.1 to 80%. Lighter than air (0.907). Acetylene without solvent. Rough handling and exposure to local heating should be avoided, since these conditions may result in delayed explosion. Empty cylinders should be carried with the same precautions as filled cylinders.	3374
–	T1	TP1 TP9 TP17 TP32	F-H, S-Q	Category D SW1	SGG2 SG16 SG42 SG45 SG47 SG48 SG51 SG56 SG58 SG59 SG61	Non-sensitized emulsions, suspensions and gels consisting primarily of a mixture of ammonium nitrate and fuel, intended to produce a Type E blasting explosive only after further processing prior to use. Substances shall satisfactorily pass test series 8 of the <i>Manual of Tests and Criteria</i> , part I, section 18 and be approved by the competent authority.	3375
–	–	–	F-B, S-J	Category E	SG7 SG30	Desensitized explosive. Dark orange solid. Explosive and sensitive to friction in the dry state. May form extremely sensitive compounds with heavy metals or their salts. Harmful if swallowed or by skin contact.	3376
–	T1 BK2 BK3	TP33	F-A, S-Q	Category A SW1 SW23 H1	SGG16 SG59	White crystals or powder. Partially soluble in water. Mixtures with combustible material are readily ignited and may burn fiercely. Risk of decomposition when exposed to continuous heat (exothermic decomposition ≥ 60°C). When involved in a fire or exposed to high temperatures, it may decompose, yielding oxygen and steam. Harmful if swallowed.	3377
–	T3 BK2	TP33	F-A, S-Q	Category A SW1 H1	SGG16 SG59	White crystals or powder. Soluble in water. Mixtures with combustible material are readily ignited. Decomposes in contact with water and acids, forming hydrogen peroxide. Risk of decomposition when exposed to continuous heat (exothermic decomposition ≥ 60°C). When involved in a fire or exposed to high temperatures, it may decompose, yielding oxygen and steam. Irritating to eyes, skin and mucous membranes. Harmful if swallowed.	3378
–	T1 BK2 BK3	TP33	F-A, S-Q	Category A SW1 SW23 H1	SGG16 SG59	See entry above.	3378
–	–	–	F-E, S-Y	Category D	SG30	Desensitized explosive. Explosive and sensitive to friction in the dry state. May form extremely sensitive compounds with heavy metals and their salts.	3379

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
△ 3380	DESENSITIZED EXPLOSIVE, SOLID, N.O.S.	4.1	–	I	274 311 394	0	E0	P099	–	–	–
3381	TOXIC BY INHALATION LIQUID, N.O.S. with an LC ₅₀ lower than or equal to 200 mL/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	6.1	–	I	274	0	E0	P601	–	–	–
3382	TOXIC BY INHALATION LIQUID, N.O.S. with an LC ₅₀ lower than or equal to 1000 mL/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	6.1	–	I	274	0	E0	P602	–	–	–
3383	TOXIC BY INHALATION LIQUID, FLAMMABLE, N.O.S. with an LC ₅₀ lower than or equal to 200 mL/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	6.1	3	I	274	0	E0	P601	–	–	–
3384	TOXIC BY INHALATION LIQUID, FLAMMABLE, N.O.S. with an LC ₅₀ lower than or equal to 1000 mL/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	6.1	3	I	274	0	E0	P602	–	–	–
3385	TOXIC BY INHALATION LIQUID, WATER-REACTIVE, N.O.S. with an LC ₅₀ lower than or equal to 200 mL/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	6.1	4.3	I	274	0	E0	P601	–	–	–
3386	TOXIC BY INHALATION LIQUID, WATER-REACTIVE, N.O.S. with an LC ₅₀ lower than or equal to 1000 mL/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	6.1	4.3	I	274	0	E0	P602	–	–	–
3387	TOXIC BY INHALATION LIQUID, OXIDIZING, N.O.S. with an LC ₅₀ lower than or equal to 200 mL/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	6.1	5.1	I	274	0	E0	P601	–	–	–
3388	TOXIC BY INHALATION LIQUID, OXIDIZING, N.O.S. with an LC ₅₀ lower than or equal to 1000 mL/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	6.1	5.1	I	274	0	E0	P602	–	–	–
3389	TOXIC BY INHALATION LIQUID, CORROSIVE, N.O.S. with an LC ₅₀ lower than or equal to 200 mL/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	6.1	8	I	274	0	E0	P601	–	–	–

Portable tanks and bulk containers			EmS (15) 5.4.3.4 7.8	Stowage and handling (16a) 7.1 7.3–7.7	Segregation (16b) 7.2–7.7	Properties and observations (17)	UN No. (18)
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
–	–	–	F-B, S-J	Category D	SG7 SG30	Desensitized explosive. Explosive and sensitive to friction in the dry state. May form extremely sensitive compounds with heavy metals and their salts.	3380
–	T22	TP2 TP13	F-A, S-A	Category D SW2	–	A variety of toxic liquids which present a highly toxic inhalation hazard. Highly toxic if swallowed, by skin contact or by inhalation.	3381
–	T20	TP2 TP13	F-A, S-A	Category D SW2	–	A variety of toxic liquids which present a highly toxic inhalation hazard. Highly toxic if swallowed, by skin contact or by inhalation.	3382
–	T22	TP2 TP13	F-E, S-D	Category D SW2	–	A variety of toxic liquids which present a highly toxic inhalation hazard as well as being flammable. Highly toxic if swallowed, by skin contact or by inhalation.	3383
–	T20	TP2 TP13	F-E, S-D	Category D SW2	–	A variety of toxic liquids which present a highly toxic inhalation hazard as well as being flammable. Highly toxic if swallowed, by skin contact or by inhalation.	3384
–	T22	TP2 TP13	F-G, S-N	Category D SW2 H1	SG26	A variety of toxic liquids which present a highly toxic inhalation hazard as well as being water-reactive. Highly toxic if swallowed, by skin contact or by inhalation.	3385
–	T20	TP2 TP13	F-G, S-N	Category D SW2 H1	SG26	A variety of toxic liquids which present a highly toxic inhalation hazard as well as being water-reactive. Highly toxic if swallowed, by skin contact or by inhalation.	3386
–	T22	TP2 TP13	F-A, S-Q	Category D SW2	–	A variety of toxic liquids which present a highly toxic inhalation hazard as well as being an oxidizer. Highly toxic if swallowed, by skin contact or by inhalation.	3387
–	T20	TP2 TP13	F-A, S-Q	Category D SW2	–	A variety of toxic liquids which present a highly toxic inhalation hazard as well as being an oxidizer. Highly toxic if swallowed, by skin contact or by inhalation.	3388
–	T22	TP2 TP13	F-A, S-B	Category D SW2	–	A variety of toxic liquids which present a highly toxic inhalation hazard as well as being corrosive. Highly toxic if swallowed, by skin contact or by inhalation.	3389

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3390	TOXIC BY INHALATION LIQUID, CORROSIVE, N.O.S. with an LC ₅₀ lower than or equal to 1000 mL/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	6.1	8	I	274	0	E0	P602	–	–	–
3391	ORGANOMETALLIC SUBSTANCE, SOLID, PYROPHORIC	4.2	–	I	274	0	E0	P404	PP86	–	–
3392	ORGANOMETALLIC SUBSTANCE, LIQUID, PYROPHORIC	4.2	–	I	274	0	E0	P400	PP86	–	–
3393	ORGANOMETALLIC SUBSTANCE, SOLID, PYROPHORIC, WATER-REACTIVE	4.2	4.3	I	274	0	E0	P404	PP86	–	–
3394	ORGANOMETALLIC SUBSTANCE, LIQUID, PYROPHORIC, WATER-REACTIVE	4.2	4.3	I	274	0	E0	P400	PP86	–	–
3395	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE	4.3	–	I	274	0	E0	P403	PP31	–	–
3395	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE	4.3	–	II	274	500 g	E2	P410	PP31	IBC04	–
3395	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE	4.3	–	III	223 274	1 kg	E1	P410	PP31	IBC06	–
3396	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE, FLAMMABLE	4.3	4.1	I	274	0	E0	P403	PP31	–	–
3396	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE, FLAMMABLE	4.3	4.1	II	274	500 g	E2	P410	PP31	IBC04	–
3396	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE, FLAMMABLE	4.3	4.1	III	223 274	1 kg	E1	P410	PP31	IBC06	–
3397	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE, SELF-HEATING	4.3	4.2	I	274	0	E0	P403	PP31	–	–
3397	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE, SELF-HEATING	4.3	4.2	II	274	500 g	E2	P410	PP31	IBC04	–
3397	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE, SELF-HEATING	4.3	4.2	III	223 274	1 kg	E1	P410	PP31	IBC06	–
3398	ORGANOMETALLIC SUBSTANCE, LIQUID, WATER-REACTIVE	4.3	–	I	274	0	E0	P402	PP31	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T20	TP2 TP13	F-A, S-B	Category D SW2	–	A variety of toxic liquids which present a highly toxic inhalation hazard as well as being corrosive. Highly toxic if swallowed, by skin contact or by inhalation.	3390
–	T21	TP7 TP33 TP36	F-G, S-M	Category D H1	SG26 SG72	Liable to ignite spontaneously in air. If shaken, may produce sparks.	3391
–	T21	TP2 TP7 TP36	F-G, S-M	Category D H1	SG26 SG63 SG72	Highly flammable liquid. Liable to ignite spontaneously in air. In contact with air, evolve irritating and slightly toxic fumes.	3392
–	T21	TP7 TP33 TP36 TP41	F-G, S-M	Category D H1	SG26 SG35 SG72	Liable to ignite spontaneously in air. If shaken, may produce sparks. React violently with moisture, water and acids, evolving flammable gas.	3393
–	T21	TP2 TP7 TP36 TP41	F-G, S-M	Category D H1	SG26 SG35 SG63 SG72	Highly flammable liquid. Liable to ignite spontaneously in air. In contact with air, evolve irritating and slightly toxic fumes. React violently with moisture, water and acids, evolving flammable gas.	3394
–	T9	TP7 TP33 TP36 TP41	F-G, S-N	Category E SW2 H1	SG26 SG35 SG72	Reacts violently with moisture, water and acids, evolving flammable gas.	3395
–	T3	TP33 TP36 TP41	F-G, S-N	Category E SW2 H1	SG26 SG35 SG72	See entry above.	3395
–	T1	TP33 TP36 TP41	F-G, S-N	Category E SW2 H1	SG26 SG35 SG72	See entry above.	3395
–	T9	TP7 TP33 TP36 TP41	F-G, S-N	Category E SW2 H1	SG26 SG35 SG72	Flammable solid. Reacts violently with moisture, water and acids, evolving flammable gas.	3396
–	T3	TP33 TP36 TP41	F-G, S-N	Category E SW2 H1	SG26 SG35 SG72	See entry above.	3396
–	T1	TP33 TP36 TP41	F-G, S-N	Category E SW2 H1	SG26 SG35 SG72	See entry above.	3396
–	T9	TP7 TP33 TP36 TP41	F-G, S-N	Category E SW2 H1	SG26 SG35 SG72	Liable to self-heating or spontaneous combustion. Reacts violently with moisture, water and acids, evolving flammable gas.	3397
–	T3	TP33 TP36 TP41	F-G, S-N	Category E SW2 H1	SG26 SG35 SG72	See entry above.	3397
–	T1	TP33 TP36 TP41	F-G, S-N	Category E SW2 H1	SG26 SG35 SG72	See entry above.	3397
–	T13	TP2 TP7 TP36 TP41	F-G, S-N	Category E SW2 H1	SG26 SG35 SG72	Reacts violently with moisture, water and acids, evolving flammable gas.	3398

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3398	ORGANOMETALLIC SUBSTANCE, LIQUID, WATER-REACTIVE	4.3	–	II	274	500 mL	E2	P001	PP31	IBC01	–
3398	ORGANOMETALLIC SUBSTANCE, LIQUID, WATER-REACTIVE	4.3	–	III	223 274	1 L	E1	P001	PP31	IBC02	–
3399	ORGANOMETALLIC SUBSTANCE, LIQUID, WATER-REACTIVE, FLAMMABLE	4.3	3	I	274	0	E0	P402	PP31	–	–
3399	ORGANOMETALLIC SUBSTANCE, LIQUID, WATER-REACTIVE, FLAMMABLE	4.3	3	II	274	500 mL	E2	P001	PP31	IBC01	–
3399	ORGANOMETALLIC SUBSTANCE, LIQUID, WATER-REACTIVE, FLAMMABLE	4.3	3	III	223 274	1 L	E1	P001	PP31	IBC02	–
3400	ORGANOMETALLIC SUBSTANCE, SOLID, SELF-HEATING	4.2	–	II	274	500 g	E2	P410	–	IBC06	–
3400	ORGANOMETALLIC SUBSTANCE, SOLID, SELF-HEATING	4.2	–	III	223 274	1 kg	E1	P002	–	IBC08	–
3401	ALKALI METAL AMALGAM, SOLID	4.3	–	I	182	0	E0	P403	PP31	–	–
3402	ALKALINE EARTH METAL AMALGAM, SOLID	4.3	–	I	183	0	E0	P403	PP31	–	–
3403	POTASSIUM METAL ALLOYS, SOLID	4.3	–	I	–	0	E0	P403	PP31	–	–
3404	POTASSIUM SODIUM ALLOYS, SOLID	4.3	–	I	–	0	E0	P403	PP31	–	–
3405	BARIUM CHLORATE SOLUTION	5.1	6.1	II	–	1 L	E2	P504	–	IBC02	–
3405	BARIUM CHLORATE SOLUTION	5.1	6.1	III	223	5 L	E1	P001	–	IBC02	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T7	TP2 TP7 TP36 TP41	F-G, S-N	Category E SW2 H1	SG26 SG35 SG72	Reacts violently with moisture, water and acids, evolving flammable gas.	3398
–	T7	TP2 TP7 TP36 TP41	F-G, S-N	Category E SW2 H1	SG26 SG35 SG72	See entry above.	3398
–	T13	TP2 TP7 TP36 TP41	F-G, S-N	Category D SW2 H1	SG26 SG35 SG72	Flammable liquid. Reacts violently with moisture, water and acids, evolving flammable gas.	3399
–	T7	TP2 TP7 TP36 TP41	F-G, S-N	Category D SW2 H1	SG26 SG35 SG72	See entry above.	3399
–	T7	TP2 TP7 TP36 TP41	F-G, S-N	Category E SW2 H1	SG26 SG35 SG72	See entry above.	3399
–	T3	TP33 TP36	F-A, S-J	Category C	SG72	Liable to self-heating or spontaneous combustion.	3400
–	T1	TP33 TP36	F-A, S-J	Category C	SG72	See entry above.	3400
–	T9	TP7 TP33	F-G, S-N	Category D H1	SGG7 SGG11 SG26 SG35	Silvery solid, consisting of metal alloyed with mercury. Reacts with moisture, water or acids, evolving hydrogen, a flammable gas. When heated, evolves toxic vapours.	3401
–	T9	TP7 TP33	F-G, S-N	Category D H1	SGG7 SGG11 SG26 SG35	Consists of metal alloyed with mercury. Contains 2% to 10% alkaline earth metals and may contain up to 98% mercury. Reacts with moisture, water or acids, evolving hydrogen, a flammable gas. When heated, evolves toxic vapours.	3402
–	T9	TP7 TP33	F-G, S-L	Category D H1	SG26 SG35	Soft, silvery metal. Floats on water. Reacts violently with moisture, water or acids, evolving hydrogen, which may be ignited by the heat of the reaction. Highly reactive, sometimes with explosive effect.	3403
–	T9	TP7 TP33	F-G, S-L	Category D H1	SG26 SG35	Soft, silvery metal. Floats on water. Reacts violently with moisture, water or acids, evolving hydrogen, which may be ignited by the heat of the reaction. Highly reactive, sometimes with explosive effect.	3404
–	T4	TP1	F-H, S-Q	Category A	SGG4 SG38 SG49 SG62	Colourless aqueous solution. Reacts vigorously with sulphuric acid. Reacts fiercely with cyanides when heated. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are liable to ignite. When involved in a fire, may cause an explosion. Toxic if swallowed, by skin contact or by inhalation. Leakage and subsequent evaporation of the water from the solutions may present increased dangers as follows: .1 in contact with combustible material (particularly fibrous material such as jute, cotton or sisal) or sulphur, danger of spontaneous combustion, .2 in contact with ammonium compounds, powdered metals or oils, danger of explosion.	3405
–	T4	TP1	F-H, S-Q	Category A	SGG4 SG38 SG49 SG62	See entry above.	3405

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3406	BARIUM PERCHLORATE SOLUTION	5.1	6.1	II	–	1 L	E2	P504	–	IBC02	–
3406	BARIUM PERCHLORATE SOLUTION	5.1	6.1	III	223	5 L	E1	P001	–	IBC02	–
3407	CHLORATE AND MAGNESIUM CHLORIDE MIXTURE SOLUTION	5.1	–	II	–	1 L	E2	P504	–	IBC02	–
3407	CHLORATE AND MAGNESIUM CHLORIDE MIXTURE SOLUTION	5.1	–	III	223	5 L	E1	P504	–	IBC02	–
3408	LEAD PERCHLORATE SOLUTION	5.1	6.1 P	II	–	1 L	E2	P504	–	IBC02	–
3408	LEAD PERCHLORATE SOLUTION	5.1	6.1 P	III	223	5 L	E1	P001	–	IBC02	–
3409	CHLORONITROBENZENES, LIQUID	6.1	–	II	279	100 mL	E4	P001	–	IBC02	–
3410	4-CHLORO- <i>o</i> -TOLUIDINE HYDROCHLORIDE SOLUTION	6.1	–	III	223	5 L	E1	P001	–	IBC03	–
3411	<i>beta</i> -NAPHTHYLAMINE SOLUTION	6.1	–	II	–	100 mL	E4	P001	–	IBC02	–
3411	<i>beta</i> -NAPHTHYLAMINE SOLUTION	6.1	–	III	223	5 L	E1	P001	–	IBC02	–
3412	FORMIC ACID with not less than 10% but not more than 85% acid by mass	8	–	II	–	1 L	E2	P001	–	IBC02	–
3412	FORMIC ACID with not less than 5% but less than 10% acid by mass	8	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
3413	POTASSIUM CYANIDE SOLUTION	6.1	– P	I	–	0	E5	P001	PP31	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions	Provisions					
	(13) 4.2.5 4.3	(14) 4.2.5	(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T4	TP1	F-H, S-Q	Category A	SGG13 SG38 SG49 SG62	Reacts vigorously with sulphuric acid. Reacts fiercely with cyanides when heated. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are liable to ignite. When involved in a fire, may cause an explosion. Toxic if swallowed, by skin contact or by inhalation. Leakage and subsequent evaporation of the water from the solutions may present increased dangers as follows: .1 in contact with combustible material (particularly fibrous material such as jute, cotton or sisal) or sulphur, danger of spontaneous combustion, .2 in contact with ammonium compounds, powdered metals or oils, danger of explosion.	3406
–	T4	TP1	F-H, S-Q	Category A	SGG13 SG38 SG49 SG62	See entry above.	3406
–	T4	TP1	F-H, S-Q	Category A	SGG4 SG38 SG49 SG62	Reacts vigorously with sulphuric acid. Reacts fiercely with cyanides when heated. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are liable to ignite. When involved in a fire, may cause an explosion. Leakage and subsequent evaporation of the water from the solutions may present increased dangers as follows: .1 in contact with combustible material (particularly fibrous material such as jute, cotton or sisal) or sulphur, danger of spontaneous combustion, .2 in contact with ammonium compounds, powdered metals or oils, danger of explosion.	3407
–	T4	TP1	F-H, S-Q	Category A	SGG4 SG38 SG49 SG62	See entry above.	3407
–	T4	TP1	F-H, S-Q	Category A	SGG7 SGG9 SGG13 SG38 SG49	Reacts vigorously with sulphuric acid. Reacts fiercely with cyanides when heated. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are liable to ignite. When involved in a fire, may cause an explosion.	3408
–	T4	TP1	F-H, S-Q	Category A	SGG7 SGG9 SGG13 SG38 SG49	See entry above.	3408
–	T7	TP2	F-A, S-A	Category A	–	Yellow liquid. Toxic if swallowed, by skin contact or by inhalation.	3409
–	T4	TP1	F-A, S-A	Category A	–	Toxic if swallowed, by skin contact or by inhalation.	3410
–	T7	TP2	F-A, S-A	Category A	–	Toxic if swallowed, by skin contact or by inhalation.	3411
–	T7	TP2	F-A, S-A	Category A	–	See entry above.	3411
–	T7	TP2	F-A, S-B	Category A SW2	SGG1 SG36 SG49	Colourless liquid with a pungent odour. Corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	3412
–	T4	TP1	F-A, S-B	Category A SW2	SGG1 SG36 SG49	See entry above.	3412
–	T14	TP2 TP13	F-A, <u>S-A</u>	Category B	SGG6 SG35	Reacts with acids or acid fumes, evolving hydrogen cyanide, a highly toxic and flammable gas. Highly toxic if swallowed or by skin contact.	3413

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3413	POTASSIUM CYANIDE SOLUTION	6.1	– P	II	–	100 mL	E4	P001	PP31	IBC02	–
3413	POTASSIUM CYANIDE SOLUTION	6.1	– P	III	223	5 L	E1	P001 LP01	PP31	IBC03	–
3414	SODIUM CYANIDE SOLUTION	6.1	– P	I	–	0	E5	P001	PP31	–	–
3414	SODIUM CYANIDE SOLUTION	6.1	– P	II	–	100 mL	E4	P001	PP31	IBC02	–
3414	SODIUM CYANIDE SOLUTION	6.1	– P	III	223	5 L	E1	P001 LP01	PP31	IBC03	–
3415	SODIUM FLUORIDE SOLUTION	6.1	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
3416	CHLOROACETOPHENONE, LIQUID	6.1	–	II	–	0	E0	P001	–	IBC02	–
3417	XYLYL BROMIDE, SOLID	6.1	–	II	–	0	E4	P002	–	IBC08	B4 B21
3418	2,4-TOLUYLENEDIAMINE SOLUTION	6.1	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
3419	BORON TRIFLUORIDE ACETIC ACID COMPLEX, SOLID	8	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
3420	BORON TRIFLUORIDE PROPIONIC ACID COMPLEX, SOLID	8	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
3421	POTASSIUM HYDROGEN DIFLUORIDE SOLUTION	8	6.1	II	–	1 L	E2	P001	–	IBC02	–
3421	POTASSIUM HYDROGEN DIFLUORIDE SOLUTION	8	6.1	III	223	5 L	E1	P001	–	IBC03	–
3422	POTASSIUM FLUORIDE SOLUTION	6.1	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
3423	TETRAMETHYLAMMONIUM HYDROXIDE, SOLID	8	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
3424	AMMONIUM DINITRO- <i>o</i> -CRESOLATE SOLUTION	6.1	– P	II	–	100 mL	E4	P001	–	IBC02	–
3424	AMMONIUM DINITRO- <i>o</i> -CRESOLATE SOLUTION	6.1	– P	III	223	5 L	E1	P001	–	IBC02	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T11	TP2 TP13 TP27	F-A, <u>S-A</u>	Category B	SGG6 SG35	Reacts with acids or acid fumes, evolving hydrogen cyanide, a highly toxic and flammable gas. Highly toxic if swallowed or by skin contact.	3413
–	T7	TP2 TP13 TP28	F-A, <u>S-A</u>	Category A	SGG6 SG35	See entry above.	3413
–	T14	TP2 TP13	F-A, <u>S-A</u>	Category B	SGG6 SG35	Reacts with acids or acid fumes, evolving hydrogen cyanide, a highly toxic and flammable gas. Highly toxic if swallowed or by skin contact.	3414
–	T11	TP2 TP13 TP27	F-A, <u>S-A</u>	Category B	SGG6 SG35	See entry above.	3414
–	T7	TP2 TP13 TP28	F-A, <u>S-A</u>	Category A	SGG6 SG35	See entry above.	3414
–	T4	TP1	F-A, S-A	Category A	SG35	Colourless liquid. Reacts with acids, evolving hydrogen fluoride, a toxic, irritating and corrosive gas, apparent as white fumes. Toxic if swallowed, by skin contact or by inhalation.	3415
–	T7	TP2 TP13	F-A, S-A	Category D SW1 SW2 H2	–	Liquid evolving irritating vapour (“Tear Gas”). Toxic if swallowed, by skin contact or by inhalation.	3416
–	T3	TP33	F-A, S-G	Category D SW2	–	Crystals or powder, evolving irritating vapour (“Tear Gas”). Toxic if swallowed, by skin contact or by inhalation.	3417
–	T4	TP1	F-A, S-A	Category A	–	Toxic if swallowed, by skin contact or by inhalation.	3418
–	T3	TP33	F-A, S-B	Category A	SGG1 SG36 SG49	White crystalline solid. Melting point: 23°C. Highly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	3419
–	T3	TP33	F-A, S-B	Category A	SGG1 SG36 SG49	White crystalline solid. Melting point: 28°C. Highly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	3420
–	T7	TP2	F-A, S-B	Category A SW1 SW2	SGG1 SG35 SG36 SG49	Decomposed by heat or acids, evolving hydrogen fluoride, a toxic, extremely irritating and corrosive gas apparent as white fumes. In the presence of moisture, highly corrosive to glass, other siliceous materials and most metals. Toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	3421
–	T4	TP1	F-A, S-B	Category A SW1 SW2	SGG1 SG35 SG36 SG49	See entry above.	3421
–	T4	TP1	F-A, S-A	Category A	SG35	Decomposed by acids, evolving hydrogen fluoride, an irritating and corrosive gas. Toxic if swallowed, by skin contact or by inhalation.	3422
–	T3	TP33	F-A, S-B	Category A	SGG2 SGG18 SG35	Very soluble in water. Reacts violently with acids.	3423
–	T7	TP2	F-A, <u>S-A</u>	Category B	SGG2 SG15 SG16 SG30 SG63	The commercial product is a 50% suspension in water. May support combustion and burn without oxygen. When involved in a fire, evolves toxic fumes. Forms extremely sensitive explosive compounds with lead, silver or other heavy metals and their compounds. Toxic if swallowed, by skin contact or by inhalation.	3424
–	T7	TP2	F-A, <u>S-A</u>	Category A	SGG2 SG15 SG16 SG30 SG63	See entry above.	3424

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3425	BROMOACETIC ACID, SOLID	8	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
3426	ACRYLAMIDE SOLUTION	6.1	–	III	223	5 L	E1	P001 LP01	–	IBC03	–
3427	CHLOROBENZYL CHLORIDES, SOLID	6.1	– P	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
3428	3-CHLORO-4-METHYLPHENYL ISOCYANATE, SOLID	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
3429	CHLOROTOLUIDINES, LIQUID	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
3430	XYLENOLS, LIQUID	6.1	–	II	–	100 mL	E4	P001	–	IBC02	–
3431	NITROBENZOTRIFLUORIDES, SOLID	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
3432	POLYCHLORINATED BIPHENYLS, SOLID	9	– P	II	305 958	1 kg	E2	P906	–	IBC08	B4 B21
3434	NITROCRESOLS, LIQUID	6.1	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
3436	HEXAFLUOROACETONE HYDRATE, SOLID	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
3437	CHLOROCRESOLS, SOLID	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
3438	alpha-METHYLBENZYL ALCOHOL, SOLID	6.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
3439	NITRILES, SOLID, TOXIC, N.O.S.	6.1	–	I	274	0	E5	P002	–	IBC07	B1
3439	NITRILES, SOLID, TOXIC, N.O.S.	6.1	–	II	274	500 g	E4	P002	–	IBC08	B4 B21
3439	NITRILES, SOLID, TOXIC, N.O.S.	6.1	–	III	223 274	5 kg	E1	P002 LP02	–	IBC08	B3
3440	SELENIUM COMPOUND, LIQUID, N.O.S.	6.1	–	I	274	0	E5	P001	–	–	–
3440	SELENIUM COMPOUND, LIQUID, N.O.S.	6.1	–	II	274	100 mL	E4	P001	–	IBC02	–
3440	SELENIUM COMPOUND, LIQUID, N.O.S.	6.1	–	III	223 274	5 L	E1	P001	–	IBC03	–
3441	CHLORODINITROBENZENES, SOLID	6.1	– P	II	279	500 g	E4	P002	–	IBC08	B4 B21
3442	DICHLOROANILINES, SOLID	6.1	– P	II	279	500 g	E4	P002	–	IBC08	B4 B21

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T3	TP33	F-A, S-B	Category A	SGG1 SG36 SG49	Colourless, deliquescent crystals. Melting point: 51°C. Corrosive to most metals. Harmful if swallowed. Causes burns to eyes and skin.	3425
–	T4	TP1	F-A, S-A	Category A SW1 H2	–	Toxic if swallowed, by skin contact or by inhalation.	3426
–	T1	TP33	F-A, <u>S-A</u>	Category A	–	Colourless crystalline solid. Melting point: 29°C. Immiscible with or insoluble in water. Toxic if swallowed, by skin contact or by inhalation.	3427
–	T3	TP33	F-A, S-A	Category B SW2	–	Colourless solid with a pungent odour. Melting point: 23°C. Insoluble in water. Reacts with water, evolving carbon dioxide. Toxic if swallowed, by skin contact or by inhalation. Irritating to skin, eyes and mucous membranes.	3428
–	T4	TP1	F-A, S-A	Category A	–	Brown liquid. Toxic if swallowed, by skin contact or by inhalation.	3429
–	T7	TP2	F-A, S-A	Category A	–	The commercial products are liquids with a pungent tar odour. Toxic if swallowed, by skin contact or by inhalation.	3430
–	T3	TP33	F-A, <u>S-A</u>	Category A SW2	–	Low melting point (31°C to 32°C) solids with an aromatic odour. Insoluble in water. Toxic if swallowed, by skin contact or by inhalation.	3431
–	T3	TP33	F-A, <u>S-A</u>	Category A	SG50	Solids with perceptible odour. Insoluble in water. Harmful by ingestion or by skin contact. If spilled, can be a persistent hazard to the environment. This entry also covers articles, such as rags, cotton waste, clothing or sawdust, containing polychlorinated biphenyls where no free visible liquid is present.	3432
–	T4	TP1	F-A, S-A	Category A	–	Slightly miscible in water. Toxic if swallowed, by skin contact or by inhalation.	3434
–	T3	TP33	F-A, S-A	Category B SW2	–	This entry covers solid hydrate and hexafluoroacetone. Melting point of the pure substance: 23°C. Toxic if swallowed, by skin contact or by inhalation.	3436
–	T3	TP33	F-A, S-A	Category A SW1 H2	–	White or pink crystals with a phenol-like odour. Melting point: 45°C to 68°C. Slightly soluble in water. Decomposes when heated, evolving extremely toxic fumes (phosgene). Toxic if swallowed, by skin contact or by inhalation.	3437
–	T1	TP33	F-A, S-A	Category A	–	Slightly soluble in water. Melting point: 21°C (pure substance). Toxic if swallowed, by skin contact or by inhalation.	3438
–	T6	TP33	F-A, S-A	Category B	SG35	Solid, evolving toxic vapours. Reacts with acids or acid fumes, evolving hydrogen cyanide, a highly toxic and flammable gas. Soluble in water. Toxic if swallowed, by skin contact or by inhalation.	3439
–	T3	TP33	F-A, S-A	Category B	SG35	See entry above.	3439
–	T1	TP33	F-A, S-A	Category A	SG35	See entry above.	3439
–	T14	TP2 TP27	F-A, S-A	Category B	–	Toxic if swallowed, by skin contact or by inhalation.	3440
–	T11	TP2 TP27	F-A, S-A	Category B	–	See entry above.	3440
–	T7	TP1 TP28	F-A, S-A	Category A	–	See entry above.	3440
–	T3	TP33	F-A, <u>S-A</u>	Category A	SG15	Crystals. Melting point: 27°C to 53°C. May explode if involved in a fire. Toxic if swallowed, by skin contact or by inhalation.	3441
–	T3	TP33	F-A, <u>S-A</u>	Category A SW2	–	Solid with a penetrating odour. Liquid mixtures of various isomers of dichloroanilines, some of which in the pure state may be solid, with a melting point varying from 24°C to 72°C. Toxic if swallowed, by skin contact or by inhalation.	3442

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3443	DINITROBENZENES, SOLID	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
3444	NICOTINE HYDROCHLORIDE, SOLID	6.1	–	II	43	500 g	E4	P002	–	IBC08	B4 B21
3445	NICOTINE SULPHATE, SOLID	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
3446	NITROTOLUENES, SOLID	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
3447	NITROXYLENES, SOLID	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
3448	TEAR GAS SUBSTANCE, SOLID, N.O.S.	6.1	–	I	274	0	E0	P002	PP31	–	–
3448	TEAR GAS SUBSTANCE, SOLID, N.O.S.	6.1	–	II	274	0	E0	P002	PP31	IBC08	B4 B21
3449	BROMOBENZYL CYANIDES, SOLID	6.1	–	I	138	0	E5	P002	PP31	–	–
3450	DIPHENYLCHLOROARSINE, SOLID	6.1	– P	I	–	0	E0	P002	PP31	IBC07	B1
3451	TOLUIDINES, SOLID	6.1	– P	II	279	500 g	E4	P002	–	IBC08	B4 B21
3452	XYLIDINES, SOLID	6.1	–	II	–	500 g	E4	P002	–	IBC08	B4 B21
3453	PHOSPHORIC ACID, SOLID	8	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
3454	DINITROTOLUENES, SOLID	6.1	– P	II	–	500 g	E4	P002	–	IBC08	B4 B21
3455	CRESOLS, SOLID	6.1	8	II	–	500 g	E4	P002	–	IBC08	B4 B21
3456	NITROSYLSULPHURIC ACID, SOLID	8	–	II	–	1 kg	E2	P002	–	IBC08	B4 B21
3457	CHLORONITROTOLUENES, SOLID	6.1	– P	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
3458	NITROANISOLES, SOLID	6.1	–	III	279	5 kg	E1	P002 LP02	–	IBC08	B3
3459	NITROBROMOBENZENES, SOLID	6.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3

Portable tanks and bulk containers			EmS (15) 5.4.3.4 7.8	Stowage and handling (16a) 7.1 7.3–7.7	Segregation (16b) 7.2–7.7	Properties and observations (17)	UN No. (18)
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
–	T3	TP33	F-A, S-A	Category A	SG15	May explode if involved in a fire. Toxic if swallowed, by skin contact or by inhalation.	3443
–	T3	TP33	F-A, S-A	Category A	–	Deliquescent crystals or solids or pastes. Soluble in water. Toxic if swallowed, by skin contact or by inhalation.	3444
–	T3	TP33	F-A, S-A	Category A	–	Solid or paste. Soluble in water. Toxic if swallowed, by skin contact or by inhalation.	3445
–	T3	TP33	F-A, S-A	Category A	–	Yellow solid. Melting point: <i>para</i> -NITROTOLUENE: 52°C to 54°C. Toxic if swallowed, by skin contact or by inhalation.	3446
–	T3	TP33	F-A, S-A	Category A	–	Yellow solid. Melting points: 4-NITRO-2-XYLENE: 29°C to 31°C, 5-NITRO-3-XYLENE: 72°C to 74°C. Insoluble in water. Toxic if swallowed, by skin contact or by inhalation.	3447
–	T6	TP33	F-A, S-A	Category D SW2	–	“Tear gas substance” is a generic term for substances which, in minute quantities dispersed in air, cause extreme eye irritation and profuse tears. Toxic if swallowed, by skin contact or by inhalation.	3448
–	T3	TP33	F-A, S-A	Category D SW2	–	See entry above.	3448
–	T6	TP33	F-A, S-A	Category D SW1 SW2 H2	SGG6 SG35	Volatile, yellow crystals evolving irritating vapours (“Tear Gas”). Melting point: <i>meta</i> -BROMOBENZYL CYANIDE 25°C. Highly toxic if swallowed, by skin contact or by inhalation.	3449
–	T6	TP33	F-A, <u>S-A</u>	Category D SW2	–	When pure, volatile, colourless crystals evolving an irritating vapour (“Tear Gas”). Melting point: 41°C. Highly toxic if swallowed, by skin contact or by inhalation.	3450
–	T3	TP33	F-A, <u>S-A</u>	Category A	–	<i>para</i> -TOLUIDINE is solid in pure form, with a melting point of approximately 45°C. Toxic if swallowed, by skin contact or by inhalation.	3451
–	T3	TP33	F-A, S-A	Category A	–	3,4-Dimethylaniline is a solid, which has a melting point of 47°C. Toxic if swallowed, by skin contact or by dust inhalation.	3452
–	T1	TP33	F-A, S-B	Category A	SGG1 SG36 SG49	Very deliquescent, crystalline solid. Melting point: 42°C. Soluble in water. Mildly corrosive to most metals.	3453
–	T3	TP33	F-A, <u>S-A</u>	Category A	–	Yellow crystals or flakes, insoluble in water. Toxic if swallowed, by skin contact or by inhalation.	3454
–	T3	TP33	F-A, S-B	Category B	–	Light yellow solid. Soluble in water. Melting points of CRESOLS: <i>ortho</i> -CRESOL: 30°C, <i>para</i> -CRESOL: 35°C. Toxic if swallowed, by skin contact or by inhalation. Cause burns to skin, eyes and mucous membranes.	3455
–	T3	TP33	F-A, S-B	Category D SW2	SGG1 SG6 SG16 SG17 SG19 SG36 SG49	Crystalline solid. Oxidant which may cause fire with organic materials (such as wood, straw, etc.). When involved in a fire, evolves toxic gases. In the presence of moisture, highly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	3456
–	T1	TP33	F-A, <u>S-A</u>	Category A	SG6 SG8 SG10 SG12	Melting range 20°C to 40°C. Insoluble in water. Oxidizing substance which may explode or burn fiercely when in contact with organic materials. Toxic if swallowed, by skin contact or by inhalation.	3457
–	T1	TP33	F-A, S-A	Category A	–	Light reddish or amber crystals. Melting points: 38°C to 54°C. Insoluble in water. Toxic if swallowed, by skin contact or by inhalation.	3458
–	T1	TP33	F-A, S-A	Category A	–	Colourless to pale yellow crystals which may liquefy under transport conditions. Melting points: 1-BROMO-2-NITROBENZENE: 43°C. 1-BROMO-4-NITROBENZENE: 127°C. Insoluble in water. Toxic if swallowed, by skin contact or by inhalation.	3459

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3460	N-ETHYLBENZYL TOLUIDINES, SOLID	6.1	–	III	–	5 kg	E1	P002 LP02	–	IBC08	B3
3462	TOXINS, EXTRACTED FROM LIVING SOURCES, SOLID, N.O.S.	6.1	–	I	210 274	0	E5	P002	–	IBC07	B1
3462	TOXINS, EXTRACTED FROM LIVING SOURCES, SOLID, N.O.S.	6.1	–	II	210 274	500 g	E4	P002	–	IBC08	B4 B21
3462	TOXINS, EXTRACTED FROM LIVING SOURCES, SOLID, N.O.S.	6.1	–	III	210 223 274	5 kg	E1	P002	–	IBC08	B3
3463	PROPIONIC ACID, with not less than 90% acid by mass	8	3	II	–	1 L	E2	P001	–	IBC02	–
3464	ORGANOPHOSPHORUS COMPOUND, SOLID, TOXIC, N.O.S.	6.1	–	I	43 274	0	E5	P002	–	IBC07	B1
3464	ORGANOPHOSPHORUS COMPOUND, SOLID, TOXIC, N.O.S.	6.1	–	II	43 274	500 g	E4	P002	–	IBC08	B4 B21
3464	ORGANOPHOSPHORUS COMPOUND, SOLID, TOXIC, N.O.S.	6.1	–	III	43 223 274	5 kg	E1	P002 LP02	–	IBC08	B3
3465	ORGANOARSENIC COMPOUND, SOLID, N.O.S.	6.1	–	I	274	0	E5	P002	–	IBC07	B1
3465	ORGANOARSENIC COMPOUND, SOLID, N.O.S.	6.1	–	II	274	500 g	E4	P002	–	IBC08	B4 B21
3465	ORGANOARSENIC COMPOUND, SOLID, N.O.S.	6.1	–	III	223 274	5 kg	E1	P002 LP02	–	IBC08	B3
3466	METAL CARBONYLS, SOLID, N.O.S.	6.1	–	I	274	0	E5	P002	–	IBC07	B1
3466	METAL CARBONYLS, SOLID, N.O.S.	6.1	–	II	274	500 g	E4	P002	–	IBC08	B4 B21
3466	METAL CARBONYLS, SOLID, N.O.S.	6.1	–	III	223 274	5 kg	E1	P002 LP02	–	IBC08	B3
3467	ORGANOMETALLIC COMPOUND, SOLID, TOXIC, N.O.S.	6.1	–	I	274	0	E5	P002	–	IBC07	B1
3467	ORGANOMETALLIC COMPOUND, SOLID, TOXIC, N.O.S.	6.1	–	II	274	500 g	E4	P002	–	IBC08	B4 B21
3467	ORGANOMETALLIC COMPOUND, SOLID, TOXIC, N.O.S.	6.1	–	III	223 274	5 kg	E1	P002 LP02	–	IBC08	B3
3468	HYDROGEN IN A METAL HYDRIDE STORAGE SYSTEM or HYDROGEN IN A METAL HYDRIDE STORAGE SYSTEM CONTAINED IN EQUIPMENT or HYDROGEN IN A METAL HYDRIDE STORAGE SYSTEM PACKED WITH EQUIPMENT	2.1	–	–	321 356	0	E0	P205	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T1	TP33	F-A, S-A	Category A	–	Solid which may liquefy under transport conditions. Strong odour. Insoluble in water. Toxic if swallowed, by skin contact or by inhalation.	3460
–	T6	TP33	F-A, S-A	Category B	–	Toxins from plant, animal or bacterial sources which contain infectious substances or toxins that are contained in infectious substances should be classified in class 6.2. Toxic if swallowed, by skin contact or by inhalation.	3462
–	T3	TP33	F-A, S-A	Category B	–	See entry above.	3462
–	T1	TP33	F-A, S-A	Category A	–	See entry above.	3462
–	T7	TP2	F-E, S-C	Category A	SGG1 SG36 SG49	Colourless flammable liquid with a pungent odour. Miscible with water. Corrosive to lead and most other metals. Burns skin. Vapours irritate mucous membranes. Pure PROPIONIC ACID: flashpoint 50°C c.c.	3463
–	T6	TP33	F-A, S-A	Category B	–	Toxic if swallowed, by skin contact or by inhalation.	3464
–	T3	TP33	F-A, S-A	Category B	–	See entry above.	3464
–	T1	TP33	F-A, S-A	Category A	–	See entry above.	3464
–	T6	TP33	F-A, S-A	Category B	–	Toxic if swallowed, by skin contact or by inhalation.	3465
–	T3	TP33	F-A, S-A	Category B	–	See entry above.	3465
–	T1	TP33	F-A, S-A	Category A	–	See entry above.	3465
–	T6	TP33	F-A, S-A	Category D SW2	–	Insoluble in water. Toxic if swallowed, by skin contact or by dust inhalation.	3466
–	T3	TP33	F-A, S-A	Category D SW2	–	See entry above.	3466
–	T1	TP33	F-A, S-A	Category D SW2	–	See entry above.	3466
–	T6	TP33	F-A, S-A	Category B	–	Toxic if swallowed, by skin contact or by inhalation.	3467
–	T3	TP33	F-A, S-A	Category B	–	See entry above.	3467
–	T1	TP33	F-A, S-A	Category A	–	See entry above.	3467
–	–	–	F-D, S-U	Category D	–	Article containing flammable odourless gas, which is much lighter than air.	3468

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3469	PAINT, FLAMMABLE, CORROSIVE (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE (including paint thinning or reducing compound)	3	8	I	163 367	0	E0	P001	–	–	–
3469	PAINT, FLAMMABLE, CORROSIVE (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE (including paint thinning or reducing compound)	3	8	II	163 367	1 L	E2	P001	–	IBC02	–
3469	PAINT, FLAMMABLE, CORROSIVE (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE (including paint thinning or reducing compound)	3	8	III	163 223 367	5 L	E1	P001	–	IBC03	–
3470	PAINT, CORROSIVE, FLAMMABLE (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL, CORROSIVE, FLAMMABLE (including paint thinning or reducing compound)	8	3	II	163 367	1 L	E2	P001	–	IBC02	–
3471	HYDROGENDIFLUORIDES SOLUTION, N.O.S.	8	6.1	II	–	1 L	E2	P001	–	IBC02	–
3471	HYDROGENDIFLUORIDES SOLUTION, N.O.S.	8	6.1	III	223	5 L	E1	P001	–	IBC03	–
3472	CROTONIC ACID, LIQUID	8	–	III	–	5 L	E1	P001 LP01	–	IBC03	–
3473	FUEL CELL CARTRIDGES or FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT containing flammable liquids	3	–	–	328	1 L	E0	P004	–	–	–
3474	1-HYDROXYBENZOTRIAZOLE MONOHYDRATE	4.1	–	I	–	0	E0	P406	PP48	–	–

Portable tanks and bulk containers			EmS (15) 5.4.3.4 7.8	Stowage and handling (16a) 7.1 7.3–7.7	Segregation (16b) 7.2–7.7	Properties and observations (17)	UN No. (18)
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
–	T11	TP2 TP27	F-E, S-C	Category E SW2	–	Miscibility with water depends upon the composition. Corrosive contents cause burns to skin, eyes and mucous membranes.	3469
–	T7	TP2 TP8 TP28	F-E, S-C	Category B SW2	–	See entry above.	3469
–	T4	TP1 TP29	F-E, S-C	Category A SW2	–	See entry above.	3469
–	T7	TP2 TP8 TP28	F-E, S-C	Category B SW2	–	Miscibility with water depends upon the composition. Corrosive contents cause burns to skin, eyes and mucous membranes.	3470
–	T7	TP2	F-A, S-B	Category A SW1 SW2	SG35	When involved in a fire or in contact with acids, evolves hydrogen fluoride, an extremely irritating and corrosive gas. Corrosive to glass, other siliceous materials and most metals. Toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	3471
–	T4	TP1	F-A, S-B	Category A SW1 SW2	SG35	See entry above.	3471
–	T4	TP1	F-A, S-B	Category A SW1 H2	SGG1 SG36 SG49	Causes burns to skin, eyes and mucous membranes.	3472
–	–	–	F-E, S-D	Category A	–	Fuel cell cartridges containing flammable liquids including methanol or methanol/water solutions. Fuel cell cartridges may also be shipped in, or packed with, equipment.	3473
–	–	–	F-B, S-J	Category D	SG7 SG30	Desensitized explosive. White to light beige powder. Explosive and sensitive to friction in the dry state. When involved in a fire, evolves toxic fumes; in closed compartments these fumes may form an explosive mixture with air. May form extremely sensitive compounds with heavy metals or their salts.	3474

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3475	ETHANOL AND GASOLINE MIXTURE or ETHANOL AND MOTOR SPIRIT MIXTURE or ETHANOL AND PETROL MIXTURE, with more than 10% ethanol	3	–	II	333	1 L	E2	P001	–	IBC02	–
3476	FUEL CELL CARTRIDGES or FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT, containing water-reactive substances	4.3	–	–	328 334	500 mL or 500 g	E0	P004	–	–	–
3477	FUEL CELL CARTRIDGES or FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT, containing corrosive substances	8	–	–	328 334	1 L or 1 kg	E0	P004	–	–	–
3478	FUEL CELL CARTRIDGES or FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT, containing liquefied flammable gas	2.1	–	–	328 338	120 mL	E0	P004	–	–	–
3479	FUEL CELL CARTRIDGES or FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT, containing hydrogen in metal hydride	2.1	–	–	328 339	120 mL	E0	P004	–	–	–
3480	LITHIUM ION BATTERIES (including lithium ion polymer batteries)	9	–	–	188 230 310 348 376 377 384 387	0	E0	P903 P908 P909 P910 P911 LP903 LP904 LP905 LP906	–	–	–
△ 3481	LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT or LITHIUM ION BATTERIES PACKED WITH EQUIPMENT (including lithium ion polymer batteries)	9	–	–	188 230 310 348 360 376 377 384 387 390	0	E0	P903 P908 P909 P910 P911 LP903 LP904 LP905 LP906	–	–	–
3482	ALKALI METAL DISPERSION, FLAMMABLE or ALKALINE EARTH METAL DISPERSION, FLAMMABLE	4.3	3	I	182 183	0	E0	P402	PP31	–	–
3483	MOTOR FUEL ANTI-KNOCK MIXTURE, FLAMMABLE	6.1	3 P	I	–	0	E0	P602	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T4	TP1	F-E, S-E	Category E	–	Colourless, volatile liquids. Miscibility with water depends on the composition.	3475
–	–	–	F-G, S-P	Category A H1	SG26	Fuel cell cartridges containing water-reactive substances may also be shipped in, or packed with, equipment.	3476
–	–	–	F-A, S-B	Category A	–	Fuel cell cartridges containing corrosive substances may also be shipped in, or packed with, equipment.	3477
–	–	–	F-D, S-U	Category B	–	Fuel cell cartridges containing butane or other flammable liquefied gas may also be shipped in, or packed with, equipment.	3478
–	–	–	F-D, S-U	Category B	–	Fuel cell cartridges containing hydrogen, butane or other flammable odourless gas, which is much lighter than air, may also be shipped in or packed with equipment.	3479
–	–	–	F-A, S-I	Category A SW19	–	Electrical batteries containing lithium ion encased in a rigid metallic body. Lithium ion batteries may also be shipped in, or packed with, equipment. Electrical lithium batteries may cause fire due to an explosive rupture of the body caused by improper construction or reaction with contaminants.	3480
–	–	–	F-A, S-I	Category A SW19	–	Electrical batteries containing lithium ion encased in a rigid metallic body. Lithium ion batteries may also be shipped in, or packed with, equipment. Electrical lithium batteries may cause fire due to an explosive rupture of the body caused by improper construction or reaction with contaminants.	3481
–	–	–	F-G, S-N	Category D H1	SG26 SG35	Finely divided alkali or alkaline earth metal suspended in a flammable liquid. Reacts violently with moisture, water or acids, evolving hydrogen, which may be ignited by the heat of the reaction.	3482
–	T14	TP2 TP13	F-E, S-D	Category D SW1 SW2	SGG7 SGG9	Volatile flammable liquids evolving toxic vapour. Mixture of tetraethyllead or tetramethyllead with ethylene dibromide and ethylene dichloride. Insoluble in water. Highly toxic if swallowed, by skin contact or by inhalation.	3483

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3484	HYDRAZINE AQUEOUS SOLUTION, FLAMMABLE with more than 37% hydrazine, by mass	8	3 6.1	I	–	0	E0	P001	–	–	–
3485	CALCIUM HYPOCHLORITE, DRY, CORROSIVE or CALCIUM HYPOCHLORITE MIXTURE, DRY, CORROSIVE with more than 39% available chlorine (8.8% available oxygen)	5.1	8 P	II	314	1 kg	E2	P002	PP85	–	–
3486	CALCIUM HYPOCHLORITE MIXTURE, DRY, CORROSIVE with more than 10% but not more than 39% available chlorine	5.1	8 P	III	314	5 kg	E1	P002	PP85	–	–
3487	CALCIUM HYPOCHLORITE, HYDRATED, CORROSIVE or CALCIUM HYPOCHLORITE, HYDRATED MIXTURE, CORROSIVE with not less than 5.5% but not more than 16% water	5.1	8 P	II	314 322	1 kg	E2	P002	PP85	–	–
3487	CALCIUM HYPOCHLORITE, HYDRATED, CORROSIVE or CALCIUM HYPOCHLORITE, HYDRATED MIXTURE, CORROSIVE with not less than 5.5% but not more than 16% water	5.1	8 P	III	223 314	5 kg	E1	P002	PP85	–	–
3488	TOXIC BY INHALATION LIQUID, FLAMMABLE, CORROSIVE, N.O.S. with an LC ₅₀ lower than or equal to 200 mL/m³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	6.1	3 8	I	274	0	E0	P601	–	–	–
3489	TOXIC BY INHALATION LIQUID, FLAMMABLE, CORROSIVE, N.O.S. with an LC ₅₀ lower than or equal to 1000 mL/m³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	6.1	3 8	I	274	0	E0	P602	–	–	–
3490	TOXIC BY INHALATION LIQUID, WATER-REACTIVE, FLAMMABLE, N.O.S. with an LC ₅₀ lower than or equal to 200 mL/m³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	6.1	4.3 3	I	274	0	E0	P601	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T10	TP2 TP13	F-E, <u>S-C</u>	Category D SW2	SGG18 SG5 SG8 SG35	Colourless flammable liquid. Powerful reducing agent, burns readily. Toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes. Reacts violently with acids.	3484
–	–	–	F-H, S-Q	Category D SW1 SW11	SGG8 SG35 SG38 SG49 SG53 SG60	White or yellowish corrosive solid (powder, granules or tablets) with chlorine-like odour. Soluble in water. May cause fire in contact with organic material or ammonium compounds. Substances are liable to exothermic decomposition at elevated temperatures. This condition may lead to fire or explosion. Decomposition can be initiated by heat or by impurities (e.g. powdered metals (iron, manganese, cobalt, magnesium) and their compounds). Liable to heat slowly. Reacts with acids, evolving chlorine, an irritating, corrosive and toxic gas. In the presence of moisture, corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	3485
–	–	–	F-H, S-Q	Category D SW1 SW11	SGG8 SG35 SG38 SG49 SG53 SG60	White or yellowish corrosive solid (powder, granules or tablets) with chlorine-like odour. Soluble in water. May cause fire in contact with organic material or ammonium compounds. Substances are liable to exothermic decomposition at elevated temperatures. This condition may lead to fire or explosion. Decomposition can be initiated by heat or by impurities (e.g. powdered metals (iron, manganese, cobalt, magnesium) and their compounds). Liable to heat slowly. Reacts with acids, evolving chlorine, an irritating, corrosive and toxic gas. In the presence of moisture, corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	3486
–	–	–	F-H, S-Q	Category D SW1 SW11	SGG8 SG35 SG38 SG49 SG53 SG60	White or yellowish corrosive solid (powder, granules or tablets) with chlorine-like odour. Soluble in water. May cause fire in contact with organic material or ammonium compounds. Substances are liable to exothermic decomposition at elevated temperatures. This condition may lead to fire or explosion. Decomposition can be initiated by heat or by impurities (e.g. powdered metals (iron, manganese, cobalt, magnesium) and their compounds). Liable to heat slowly. Reacts with acids, evolving chlorine, an irritating, corrosive and toxic gas. In the presence of moisture, corrosive to most metals. Causes burns to skin, eyes and mucous membranes.	3487
–	–	–	F-H, S-Q	Category D SW1 SW11	SGG8 SG35 SG38 SG49 SG53 SG60	See entry above.	3487
–	T22	TP2 TP13	F-E, S-D	Category D SW2	SG5 SG8	A variety of toxic liquids which present a highly toxic inhalation hazard as well as being flammable and corrosive. Highly toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	3488
–	T20	TP2 TP13	F-E, S-D	Category D SW2	SG5 SG8	A variety of toxic liquids which present a highly toxic inhalation hazard as well as being flammable and corrosive. Highly toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.	3489
–	T22	TP2 TP13	F-G, S-N	Category D SW2 H1	SG5 SG13 SG25 SG26	A variety of toxic liquids which present a highly toxic inhalation hazard as well as being water-reactive and flammable. Highly toxic if swallowed, by skin contact or by inhalation.	3490

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3491	TOXIC BY INHALATION LIQUID, WATER-REACTIVE, FLAMMABLE, N.O.S. with an LC ₅₀ lower than or equal to 1000 mL/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	6.1	4.3 3	I	274	0	E0	P602	–	–	–
3494	PETROLEUM SOUR CRUDE OIL, FLAMMABLE, TOXIC	3	6.1	I	343	0	E0	P001	–	–	–
3494	PETROLEUM SOUR CRUDE OIL, FLAMMABLE, TOXIC	3	6.1	II	343	1 L	E2	P001	–	IBC02	–
3494	PETROLEUM SOUR CRUDE OIL, FLAMMABLE, TOXIC	3	6.1	III	343	5 L	E1	P001	–	IBC03	–
3495	IODINE	8	6.1	III	279	5 kg	E1	P002	–	IBC08	B3
3496	BATTERIES, NICKEL-METAL HYDRIDE	9	–	–	117 963	0	E0	See SP963	–	IBC08	–
3497	KRILL MEAL	4.2	–	II	300	0	E2	P410	–	IBC06	B21
3497	KRILL MEAL	4.2	–	III	223 300	0	E1	P002 LP02	–	IBC08	B3
3498	IODINE MONOCHLORIDE, LIQUID	8	–	II	–	1 L	E0	P001	–	IBC02	–
3499	CAPACITOR, ELECTRIC DOUBLE LAYER (with an energy storage capacity greater than 0.3 Wh)	9	–	–	361	0	E0	P003	–	–	–
△ 3500	CHEMICAL UNDER PRESSURE, N.O.S.	2.2	–	–	274 362	0	E0	P206	PP97	–	–
3501	CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S.	2.1	–	–	274 362	0	E0	P206	PP89	–	–
3502	CHEMICAL UNDER PRESSURE, TOXIC, N.O.S.	2.2	6.1	–	274 362	0	E0	P206	PP89	–	–
3503	CHEMICAL UNDER PRESSURE, CORROSIVE, N.O.S.	2.2	8	–	274 362	0	E0	P206	PP89	–	–
3504	CHEMICAL UNDER PRESSURE, FLAMMABLE, TOXIC, N.O.S.	2.1	6.1	–	274 362	0	E0	P206	PP89	–	–
3505	CHEMICAL UNDER PRESSURE, FLAMMABLE, CORROSIVE, N.O.S.	2.1	8	–	274 362	0	E0	P206	PP89	–	–
3506	MERCURY CONTAINED IN MANUFACTURED ARTICLES	8	6.1	–	366	5 kg	E0	P003	PP90		

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	T20	TP2 TP13	F-G, S-N	Category D SW2 H1	SG5 SG13 SG25 SG26	A variety of toxic liquids which present a highly toxic inhalation hazard as well as being water-reactive and flammable. Highly toxic if swallowed, by skin contact or by inhalation.	3491
–	T14	TP2 TP13	F-E, S-E	Category D SW2	–	Immiscible with water. Evolves hydrogen sulphide, which is a flammable, toxic gas with a foul odour, heavier than air (1.2). Toxic if swallowed, by skin contact or by inhalation.	3494
–	T7	TP2	F-E, S-E	Category D SW2	–	See entry above.	3494
–	T4	TP1	F-E, S-E	Category C SW2	–	See entry above.	3494
–	T1	TP33	F-A, S-B	Category B SW2	SG37	Bluish-black solid with a metallic lustre and a pungent odour. Melting point: 114°C. Below its melting point, may evolve vapours which are irritating to skin, eyes and mucous membranes. Slightly soluble in water but soluble in most organic solvents. Corrosive to most metals.	3495
–	–	–	F-A, S-I	Category A SW1	–	Nickel-metal hydride cells or batteries packed with or contained in equipment and nickel-metal hydride button cells are not subject to the provisions of this Code.	3496
–	T3	TP33	F-A, S-J	Category B SW27	SG65	Pink to red meal derived from Krill which is a shrimp-like marine organism. Medium odour, which may affect other sensitive cargo. Liable to self-heating. Naturally rich in anti-oxidants, which lessen the risk of spontaneous heating.	3497
–	T1	TP33	F-A, S-J	Category A	–	See entry above.	3497
–	T7	TP2	F-A, S-B	Category D SW2	SGG1 SG6 SG16 SG17 SG19 SG36 SG49	Red Liquid. Reacts violently with water, evolving irritating and corrosive gases apparent as white fumes. Powerful oxidant: may cause fire in contact with organic materials such as wood, cotton or straw. In the presence of moisture, highly corrosive to most metals. Vapour irritates mucous membranes.	3498
–	–	–	F-A, S-I	Category A	–	Articles intended to store energy containing a non-dangerous activated carbon and an electrolyte. Electric double layer capacitors installed in equipment may be transported in a charged state.	3499
–	T50	TP4 TP40	F-C, S-V	Category B	–	Liquids, pastes or powders, pressurized with a propellant which meets the definition of a gas.	3500
–	T50	TP4 TP40	<u>F-D, S-U</u>	Category D SW2	–	Liquids, pastes or powders, pressurized with a propellant which meets the definition of a gas.	3501
–	T50	TP4 TP40	F-C, <u>S-V</u>	Category D SW2	–	Liquids, pastes or powders, pressurized with a propellant which meets the definition of a gas.	3502
–	T50	TP4 TP40	F-C, <u>S-V</u>	Category D SW2	–	Liquids, pastes or powders, pressurized with a propellant which meets the definition of a gas.	3503
–	T50	TP4 TP40	<u>F-D, S-U</u>	Category D SW2	–	Liquids, pastes or powders, pressurized with a propellant which meets the definition of a gas.	3504
–	T50	TP4 TP40	<u>F-D, S-U</u>	Category D SW2	–	Liquids, pastes or powders, pressurized with a propellant which meets the definition of a gas.	3505
–	–	–	F-A, <u>S-B</u>	Category B SW2	SG24	Articles containing mercury (UN 2809). Carriage should be prohibited in hovercraft and other ships constructed with aluminium.	3506

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3507	URANIUM HEXAFLUORIDE, RADIOACTIVE MATERIAL, EXCEPTED PACKAGE, less than 0.1 kg per package, non-fissile or fissile-excepted	6.1	7/8	I	317 369	0	E0	P603	–	–	–
3508	CAPACITOR, ASYMMETRIC (with an energy storage capacity greater than 0.3Wh)	9	–	–	372	0	E0	P003	–	–	–
3509	PACKAGINGS, DISCARDED, EMPTY, UNCLEANED	9	–	–	968	0	E0	–	–	–	–
3510	ADSORBED GAS, FLAMMABLE, N.O.S.	2.1	–	–	274	0	E0	P208	–	–	–
3511	ADSORBED GAS, N.O.S.	2.2	–	–	274	0	E0	P208	–	–	–
3512	ADSORBED GAS, TOXIC, N.O.S.	2.3	–	–	274	0	E0	P208	–	–	–
3513	ADSORBED GAS, OXIDIZING, N.O.S.	2.2	5.1	–	274	0	E0	P208	–	–	–
3514	ADSORBED GAS, TOXIC, FLAMMABLE, N.O.S.	2.3	2.1	–	274	0	E0	P208	–	–	–
3515	ADSORBED GAS, TOXIC, OXIDIZING, N.O.S.	2.3	5.1	–	274	0	E0	P208	–	–	–
3516	ADSORBED GAS, TOXIC, CORROSIVE, N.O.S.	2.3	8	–	274 379	0	E0	P208	–	–	–
3517	ADSORBED GAS, TOXIC, FLAMMABLE, CORROSIVE, N.O.S.	2.3	2.1 8	–	274	0	E0	P208	–	–	–
3518	ADSORBED GAS, TOXIC, OXIDIZING, CORROSIVE, N.O.S.	2.3	5.1 8	–	274	0	E0	P208	–	–	–
3519	BORON TRIFLUORIDE, ADSORBED	2.3	8	–	–	0	E0	P208	–	–	–
3520	CHLORINE, ADSORBED	2.3	5.1 8	–	–	0	E0	P208	–	–	–
3521	SILICON TETRAFLUORIDE, ADSORBED	2.3	8	–	–	0	E0	P208	–	–	–
3522	ARSINE, ADSORBED	2.3	2.1	–	–	0	E0	P208	–	–	–
3523	GERMANE, ADSORBED	2.3	2.1	–	–	0	E0	P208	–	–	–
3524	PHOSPHORUS PENTAFLUORIDE, ADSORBED	2.3	8	–	–	0	E0	P208	–	–	–

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-I, S-S	Category A SW12	SG77	See 1.5.1.	3507
–	–	–	F-A, S-I	Category A	–	Articles intended to store energy containing positive and negative electrodes comprised of different materials and an electrolyte. Asymetric capacitors may be transported in a charged state.	3508
–	–	–	–	–	–	This entry shall not be used for sea transport. Discarded packaging shall meet the requirements of 4.1.1.11. Discarded packaging means packagings, large packagings or intermediate bulk containers (IBC), or parts thereof, which have contained dangerous goods, other than radioactive material, which are transported for disposal, recycling or recovery of their material, other than reconditioning, repair, routine maintenance, remanufacturing or reuse, and which have been emptied to the extent that only residues of dangerous goods adhering to the packaging parts are present.	3509
–	–	–	F-D, S-U	Category D SW2	–	–	3510
–	–	–	F-C, S-V	Category A	–	–	3511
–	–	–	F-C, S-U	Category D SW2	–	–	3512
–	–	–	F-C, S-W	Category D	–	–	3513
–	–	–	F-D, S-U	Category D SW2	–	–	3514
–	–	–	F-C, S-W	Category D SW2	–	–	3515
–	–	–	F-C, S-U	Category D SW2	–	–	3516
–	–	–	F-D, S-U	Category D SW2	SG4 SG9	–	3517
–	–	–	F-C, S-W	Category D SW2	SG6 SG19	–	3518
–	–	–	F-C, S-U	Category D SW2	–	Non-flammable, toxic and corrosive gas. Forms dense white corrosive fumes in moist air. Reacts violently with water, evolving hydrogen fluoride, an irritating and corrosive gas apparent as white fumes. In the presence of moisture, highly corrosive to glass and most metals. Much heavier than air (2.35). Highly irritating to skin, eyes and mucous membranes.	3519
–	–	–	F-C, S-W	Category D SW2	SG6 SG19	Non-flammable, toxic and corrosive yellow gas with a pungent odour. Corrosive to glass and to most metals. Much heavier than air (2.4). Highly irritating to skin, eyes and mucous membranes. Powerful oxidant which may cause fire.	3520
–	–	–	F-C, S-U	Category D SW2	–	Non-flammable, toxic and corrosive gas with a pungent odour. Corrosive to metals. In moist air, produces hydrogen fluoride. Much heavier than air (3.6). Highly irritating to skin, eyes and mucous membranes.	3521
–	–	–	F-D, S-U	Category D SW2	–	Flammable, toxic, colourless gas with a garlic odour. Explosive limits: 3.9% to 77.8%. Much heavier than air (2.8).	3522
–	–	–	F-D, S-U	Category D SW2	–	Flammable, toxic, colourless gas with a pungent odour. Much heavier than air (2.6).	3523
–	–	–	F-C, S-U	Category D SW2	–	Non-flammable, toxic and corrosive gas with an irritating odour. Reacts with water or moist air to produce toxic and corrosive fumes. Corrosive to glass and to most metals. Much heavier than air (4.3). Highly irritating to skin, eyes and mucous membranes.	3524

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3525	PHOSPHINE, ADSORBED	2.3	2.1	–	–	0	E0	P208	–	–	–
3526	HYDROGEN SELENIDE, ADSORBED	2.3	2.1	–	–	0	E0	P208	–	–	–
3527	POLYESTER RESIN KIT, solid base material	4.1	–	II	236 340	5kg	E0	P412	–	–	–
3527	POLYESTER RESIN KIT, solid base material	4.1	–	III	236 340	5kg	E0	P412	–	–	–
3528	ENGINE, INTERNAL COMBUSTION, FLAMMABLE LIQUID POWERED or ENGINE, FUEL CELL, FLAMMABLE LIQUID POWERED or MACHINERY, INTERNAL COMBUSTION, FLAMMABLE LIQUID POWERED or MACHINERY, FUEL CELL, FLAMMABLE LIQUID POWERED	3	–	–	363 972	0	E0	P005	–	–	–
△ 3529	ENGINE, INTERNAL COMBUSTION, FLAMMABLE GAS POWERED or ENGINE, FUEL CELL, FLAMMABLE GAS POWERED or MACHINERY, INTERNAL COMBUSTION, FLAMMABLE GAS POWERED or MACHINERY, FUEL CELL, FLAMMABLE GAS POWERED	2.1	–	–	356 363 972	0	E0	P005	–	–	–
3530	ENGINE, INTERNAL COMBUSTION or MACHINERY, INTERNAL COMBUSTION	9	– P	–	363 972	0	E0	P005	–	–	–
3531	POLYMERIZING SUBSTANCE, SOLID, STABILIZED, N.O.S.	4.1	–	III	274 386	0	E0	P002	PP92	IBC07	B18
3532	POLYMERIZING SUBSTANCE, LIQUID, STABILIZED, N.O.S.	4.1	–	III	274 386	0	E0	P001	PP93	IBC03	B19
3533	POLYMERIZING SUBSTANCE, SOLID, TEMPERATURE CONTROLLED, N.O.S.	4.1	–	III	274 386	0	E0	P002	PP92	IBC07	B18
3534	POLYMERIZING SUBSTANCE, LIQUID, TEMPERATURE CONTROLLED, N.O.S.	4.1	–	III	274 386	0	E0	P001	PP93	IBC03	B19
3535	TOXIC SOLID, FLAMMABLE, INORGANIC, N.O.S.	6.1	4.1	I	274	0	E5	P002	–	IBC99	–
3535	TOXIC SOLID, FLAMMABLE, INORGANIC, N.O.S.	6.1	4.1	II	274	500 g	E4	P002	–	IBC08	B4 B21

Portable tanks and bulk containers			EmS	Stowage and handling	Segregation	Properties and observations	UN No.
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
			(15) 5.4.3.4 7.8	(16a) 7.1 7.3–7.7	(16b) 7.2–7.7	(17)	(18)
–	–	–	F-D, S-U	Category D SW2	–	Flammable, toxic, colourless gas with a garlic odour. Ignites spontaneously in air. Heavier than air (1.2). Irritating to skin, eyes and mucous membranes.	3525
–	–	–	F-D, S-U	Category D SW2	–	Flammable, toxic, colourless gas with a disagreeable odour. Much heavier than air (2.8). Highly irritating to skin, eyes and mucous membranes.	3526
–	–	–	F-A, S-G	Category B	–	Polyester resin kits consist of two components: a base material (flammable solid) and an activator (organic peroxide), each separately packed in an inner packaging.	3527
–	–	–	F-A, S-G	Category B	–	See entry above.	3527
–	–	–	F-E, S-E	Category E SW29	–	Types of articles transported under this entry include engines or machinery, powered by fuels classified as dangerous goods via internal combustion systems or fuel cells (e.g. combustion engines, generators, compressors, turbines, heating units, etc.).	3528
–	–	–	F-D, S-U	Category E	–	Types of articles transported under this entry include engines or machinery, powered by fuels classified as dangerous goods via internal combustion systems or fuel cells (e.g. combustion engines, generators, compressors, turbines, heating units, etc.).	3529
–	–	–	F-A, S-F	Category A	–	Types of articles transported under this entry include engines or machinery, powered by fuels classified as dangerous goods via internal combustion systems (e.g. combustion engines, generators, compressors, turbines, heating units, etc.).	3530
–	T7	TP4 TP6 TP33	F-J, S-G	Category D SW1	SG35 SG36	Polymerizes at elevated temperatures or in a fire. Burns vigorously. Insoluble in water. Contact with alkalis or acids may cause dangerous polymerization. The products of combustion or self-accelerating polymerization may be toxic by inhalation.	3531
–	T7	TP4 TP6	F-J, S-G	Category D SW1	SG35 SG36	Polymerizes at elevated temperatures or in a fire. Burns vigorously. Immiscible with water. Contact with alkalis or acids may cause dangerous polymerization. The products of combustion or self-accelerating polymerization may be toxic by inhalation.	3532
–	T7	TP4 TP6 TP33	F-F, S-K	Category D SW1 SW3	SG35 SG36	Polymerizes at temperatures higher than the self-accelerating polymerization temperature or in a fire. Burns vigorously. Insoluble in water. Contact with alkalis or acids may cause dangerous polymerization. The products of combustion or self-accelerating polymerization may be toxic by inhalation. Control and emergency temperatures can be found in the transport document as required in 5.4.1.5.5. The temperature must be checked regularly.	3533
–	T7	TP4 TP6	F-F, S-K	Category D SW1 SW3	SG35 SG36	Polymerizes at temperatures higher than the self-accelerating polymerization temperature or in a fire. Burns vigorously. Immiscible with water. Contact with alkalis or acids may cause dangerous polymerization. The products of combustion or self-accelerating polymerization may be toxic by inhalation. Control and emergency temperatures can be found in the transport document as required in 5.4.1.5.5. The temperature must be checked regularly.	3534
–	T6	TP33	F-A, S-G	Category B	–	Toxic if swallowed, by skin contact or by dust inhalation.	3535
–	T3	TP33	F-A, S-G	Category B	–	See entry above.	3535

UN No.	Proper shipping name (PSN)	Class or division	Subsidiary hazard(s)	Packing group	Special provisions	Limited and excepted quantity provisions		Packing		IBC	
						Limited quantities	Excepted quantities	Instructions	Provisions	Instructions	Provisions
(1)	(2) 3.1.2	(3) 2.0	(4) 2.0	(5) 2.0.1.3	(6) 3.3	(7a) 3.4	(7b) 3.5	(8) 4.1.4	(9) 4.1.4	(10) 4.1.4	(11) 4.1.4
3536	LITHIUM BATTERIES INSTALLED IN CARGO TRANSPORT UNIT lithium ion batteries or lithium metal batteries	9	–	–	389	0	E0	–	–	–	–
3537	ARTICLES CONTAINING FLAMMABLE GAS, N.O.S.	2.1	See 2.0.6.6	–	274 391	0	E0	P006 LP03	–	–	–
3538	ARTICLES CONTAINING NON-FLAMMABLE, NON-TOXIC GAS, N.O.S.	2.2	See 2.0.6.6	–	274 391	0	E0	P006 LP03	–	–	–
3539	ARTICLES CONTAINING TOXIC GAS, N.O.S.	2.3	See 2.0.6.6	–	274 391	0	E0	–	–	–	–
3540	ARTICLES CONTAINING FLAMMABLE LIQUID, N.O.S.	3	See 2.0.6.6	–	274 391	0	E0	P006 LP03	–	–	–
3541	ARTICLES CONTAINING FLAMMABLE SOLID, N.O.S.	4.1	See 2.0.6.6	–	274 391	0	E0	P006 LP03	–	–	–
3542	ARTICLES CONTAINING A SUBSTANCE LIABLE TO SPONTANEOUS COMBUSTION, N.O.S.	4.2	See 2.0.6.6	–	274 391	0	E0	–	–	–	–
3543	ARTICLES CONTAINING A SUBSTANCE WHICH IN CONTACT WITH WATER EMITS FLAMMABLE GASES, N.O.S.	4.3	See 2.0.6.6	–	274 391	0	E0	–	–	–	–
3544	ARTICLES CONTAINING OXIDIZING SUBSTANCE, N.O.S.	5.1	See 2.0.6.6	–	274 391	0	E0	–	–	–	–
3545	ARTICLES CONTAINING ORGANIC PEROXIDE, N.O.S.	5.2	See 2.0.6.6	–	274 391	0	E0	–	–	–	–
3546	ARTICLES CONTAINING TOXIC SUBSTANCE, N.O.S.	6.1	See 2.0.6.6	–	274 391	0	E0	P006 LP03	–	–	–
3547	ARTICLES CONTAINING CORROSIVE SUBSTANCE, N.O.S.	8	See 2.0.6.6	–	274 391	0	E0	P006 LP03	–	–	–
3548	ARTICLES CONTAINING MISCELLANEOUS DANGEROUS GOODS, N.O.S.	9	See 2.0.6.6	–	274 391	0	E0	P006 LP03	–	–	–
3549	MEDICAL WASTE, CATEGORY A, AFFECTING HUMANS, solid or MEDICAL WASTE, CATEGORY A, AFFECTING ANIMALS only, solid	6.2	–	–	395 975	0	E0	P622 LP622	–	–	–

Portable tanks and bulk containers			EmS (15) 5.4.3.4 7.8	Stowage and handling (16a) 7.1 7.3–7.7	Segregation (16b) 7.2–7.7	Properties and observations (17)	UN No. (18)
(12)	Tank instructions (13) 4.2.5 4.3	Provisions (14) 4.2.5					
–	–	–	F-A, S-I	Category A	–	Cargo transport unit containing lithium metal or lithium ion batteries which is designed to serve as mobile power supply unit.	3536
–	–	–	F-D, S-U	Category D SW2	–	–	3537
–	–	–	F-C, S-V	Category A	–	–	3538
–	–	–	F-C, S-U	–	–	–	3539
–	–	–	F-E, S-D	Category B	–	–	3540
–	–	–	F-A, S-G	Category B	–	–	3541
–	–	–	*	–	–	* F-G, S-M for pyrophoric substances, F-A, S-J for self-heating substances	3542
–	–	–	F-G, S-N	–	–	–	3543
–	–	–	F-A, S-Q	–	–	–	3544
–	–	–	F-J, S-R	–	–	–	3545
–	–	–	F-A, S-A	Category B SW2 *	–	Toxic if swallowed, by skin contact or by dust inhalation. * When competent authority approval is required by SP391, the stowage and handling will be specified by the competent authority.	3546
–	–	–	F-A, S-B	Category B SW2	–	Causes burns to skin, eyes and mucous membranes.	3547
–	–	–	F-A, S-P	Category A	–	–	3548
–	–	–	F-A, S-T	Category E SW2 H1 H5	SG50	Waste containing substances which are dangerous to humans and/or animals.	3549